

Utility Occupancy Application and Permit

Permit # 1596 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, TX 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address Telephone Number

Clare Cunningham SR. Permits Agent 802-989-2489
Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 116 ST. SW Direction N S E W miles from city of _____

or 12450' miles from Junction Mercer County Road # 5

Section(s) 24 & 25 Township 143 N Range 90 W

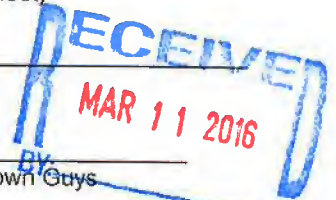
Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation

Size of Facility <u>1440 PSIG</u>	Number of Cables <u>N/A</u>	Length of Down Guys <u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
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Terms & Conditions:

Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before _____

2/11/16
Date

IBD May 2017
[Signature]
Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16

[Signature]
Road Superintendent

[Signature]
Chairman, Mercer County Commission

ND-ME-016-900
16 St. SW

Longitudinal:

Location # _____
Mercer Co. Highway # 16 St. SW Lanes of Traffic 2 4 section line
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or 12,450' miles from junction highway # CR 5

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

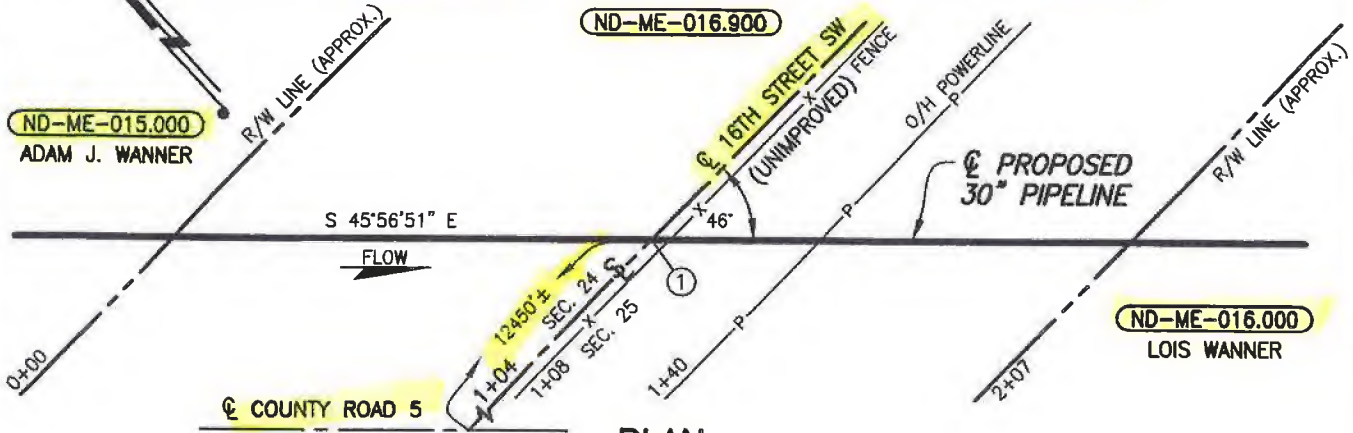
Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

ND-ME-016.900
16 St. SW

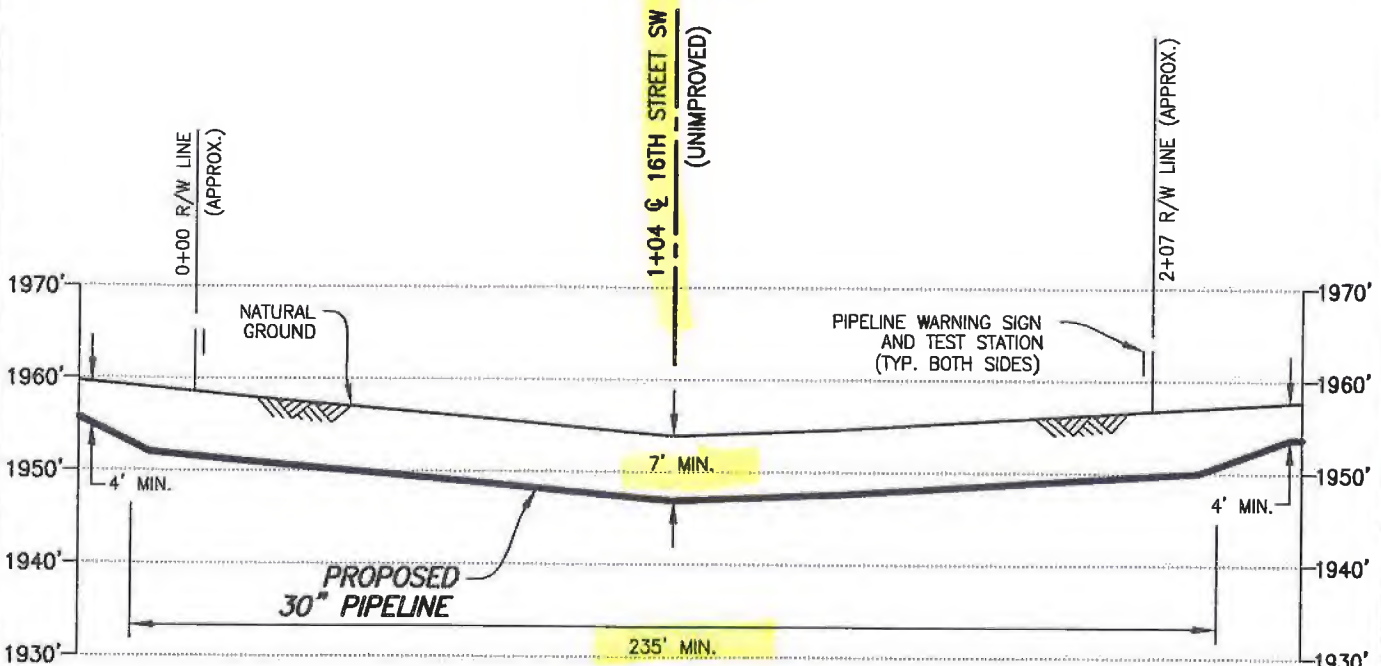
MERCER COUNTY, NORTH DAKOTA

SECTIONS 24 & 25, TOWNSHIP 143 NORTH, RANGE 90 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=2380513.41
Y=17158254.06

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot FENCE AT STA. 1+08, ELEV. 1953.89'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	10/27/15	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 16TH STREET SW (UNIMPROVED)

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: MS	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-016.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-NI
 016.900.dwg PLOT DATE: 10/27/2015 BY: MADAMBA, JOEY

Utility Occupancy Application and Permit

Permit # 1625 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address Telephone Number

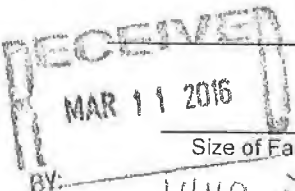
Chaire Cunningham SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Mercer County Road # 72 AVE SW Direction N(S)E W _____ miles from city of _____
or 1320' miles from Junction Mercer County Road # 16 ST. SW
Section(s) 25 & 30 Township 143 Range 90189

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation



Size of Facility	Number of Cables	Length of Down Guys
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

Terms & Conditions:

- Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.
- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
 - B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
 - C. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
 - D. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
 - E. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
 - F. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
 - G. Containment of Weeds until permanent grass has been established.
 - H. Additional installation & maintenance requirements are as follows (if applicable):

Installation shall be completed on or before _____
2/11/14 Date [Signature] Vice President, Land and Right of Way
Applicant Signature

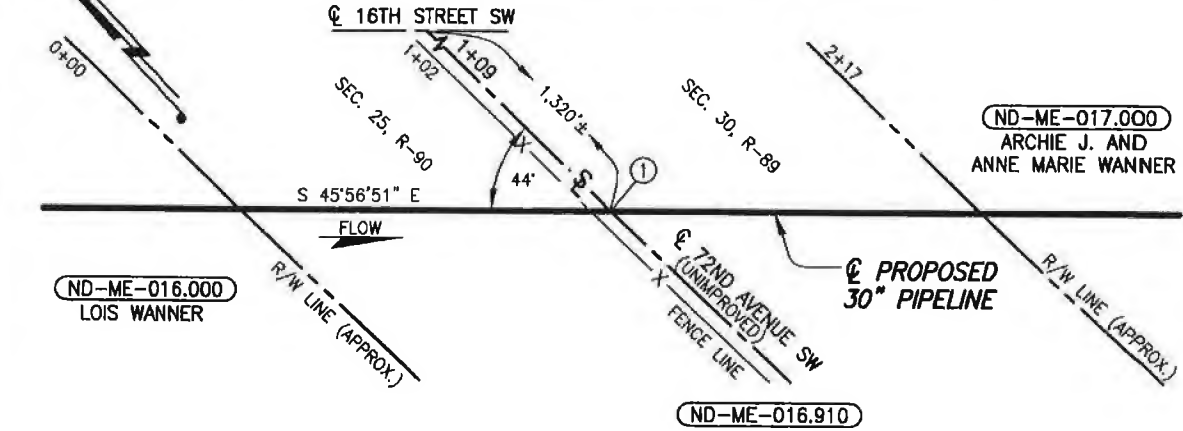
Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.
[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission

MID-ME 010 010 720

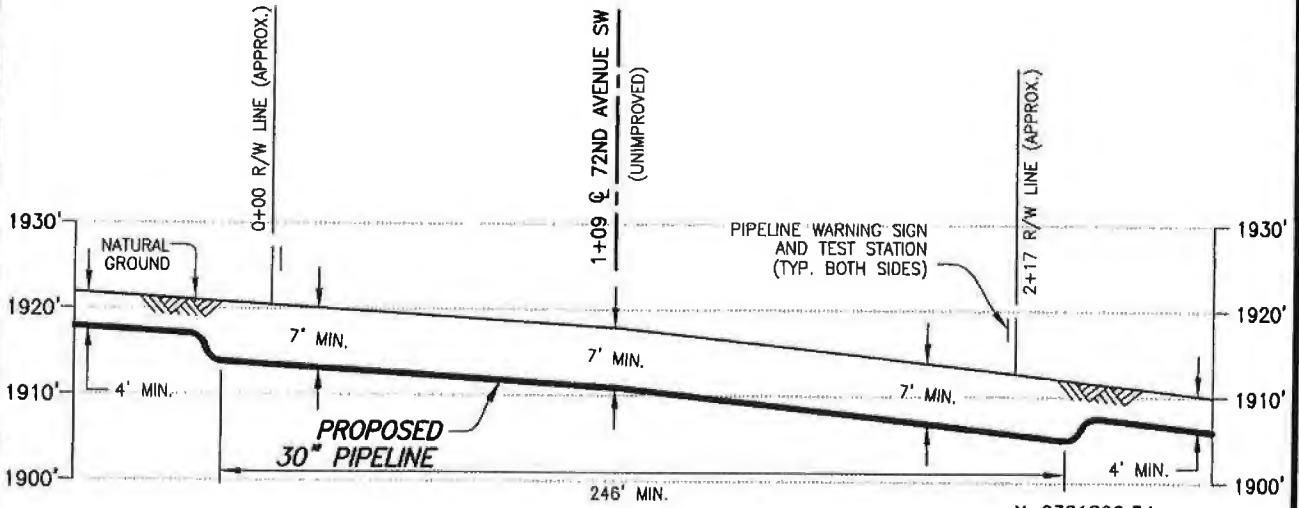
MERCER COUNTY, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 143 NORTH, RANGES 90 & 89 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot FENCE
 AT STA. 1+02, ELEV. 1917.83'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-016.910.dwg PLOT DATE: 3/4/2016 BY: MANSKE, MATTHEW

A	03/03/16	JMH	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.
PROJECT NO.			10395700	
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C				

DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 72ND AVENUE SW

MERCER COUNTY NORTH DAKOTA

DRAWN BY: JMH	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: TC	DATE: 03/03/16	ND-ME-016.910	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1626 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address

Caure Cunningham SR. Permits Agent 802-989-2489
Applicant's Agent Title Telephone Number

Mercer County Road # 17ST. SW Direction N S E (W) miles from city of _____
 or 11,500' miles from Junction Mercer County Road # CR #11

Section(s) 30 & 31 Township 143 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation

RECEIVED
 MAR 11 2016
 BY: _____

<small>Size of Facility</small>	<small>Number of Cables</small>	<small>Length of Down Guys</small>
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
<small>Pipeline Pressure</small>	<small>Size of Casing</small>	<small>Length of Casing</small>
<small>Location of Pole(s)</small>	<small>Location of Appurtenances (Vents, Manholes, Valves, etc.)</small>	<small>Location-Others</small>

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
- C. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- D. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- E. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- F. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- G. Containment of Weeds until permanent grass has been established.
- H. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before _____
2/11/16 Vice President, Land and Right of Way
Date Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

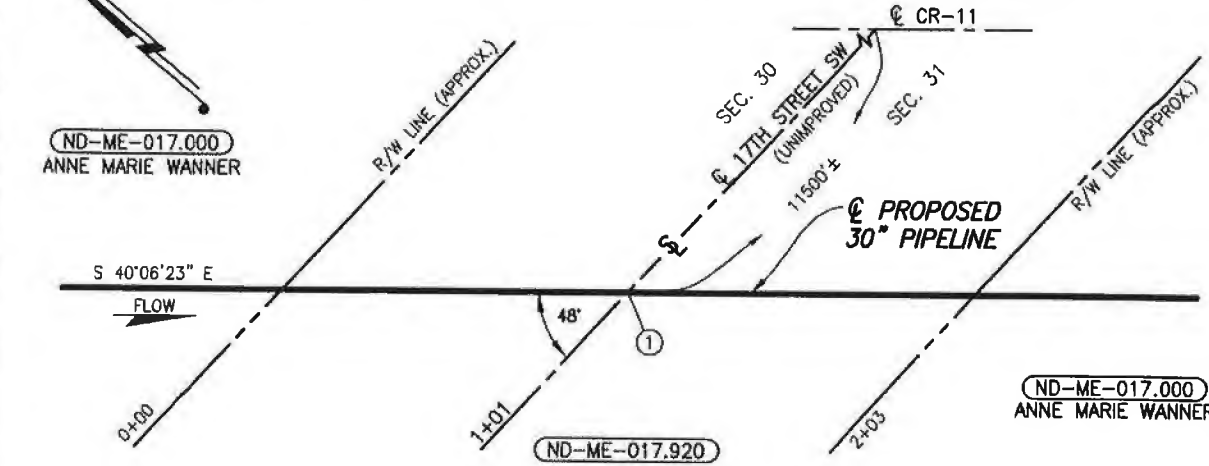
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016

Xen J. Miller [Signature]
Road Superintendent Chairman, Mercer County Commission

ND-ME-017.920 17 St. SW

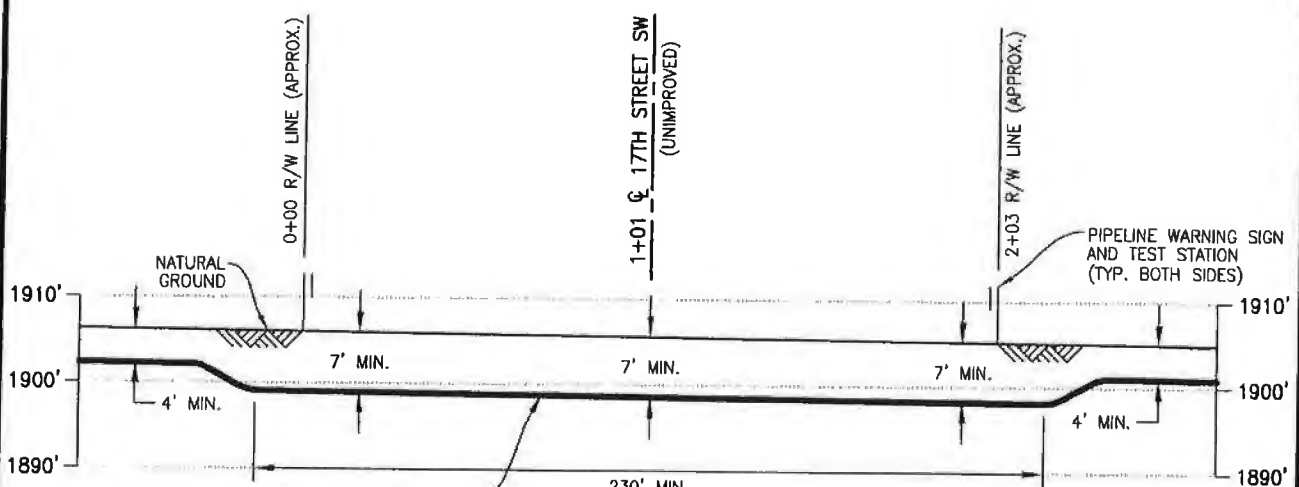
MERCER COUNTY, NORTH DAKOTA

SECTIONS 30 & 31, TOWNSHIP 143 NORTH, RANGE 89 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.825" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=894374.64
 Y=17153205.07
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: @ 17TH STREET SW
 AT STA. 1+01, ELEV. 1905.64'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-017.920.dwg PLOT DATE: 3/3/2016 BY: HARBOLT, JASON

A	03/02/16	JWH	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.
PROJECT NO. 10395700				
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C			MERCER COUNTY DRAWN BY: JWH CHECKED BY: RC SCALE: AS SHOWN	

DAKOTA ACCESS, LLC			
PROPOSED 30" DAPL PIPELINE CROSSING 17TH STREET SW			
MERCER COUNTY		NORTH DAKOTA	
DATE: 03/02/16	DWG. NO.	REV.	
DATE: 03/02/16	ND-ME-017.920	A	
APP.:			

Utility Occupancy Application and Permit

Permit # 1627 (6)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
 Owner of Facility City State

1300 MAIN STREET
 Mailing Address

Carrie Cunningham SR. Permits Agent 802.989.2489
 Applicant's Agent Title Telephone Number

Mercer County Road # 71 Ave SW Direction (N) S E W miles from city of _____
 or 30,540' miles from Junction Mercer County Road # 23 St. SW
 Section(s) 31 & 32 Township 143 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE
 Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
 Description of proposed method of installation

RECEIVED
 MAR 11 2016
 BY: 1440 PSIC

Size of Facility	Number of Cables	Length of Down Guys
Pipeline Pressure	Size of Casing	Length of Casing
	<u>N/A</u>	<u>N/A</u>

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
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- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before _____

2/11/16
 Date

[Signature]
 Vice President, Land and Right of Way
 Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

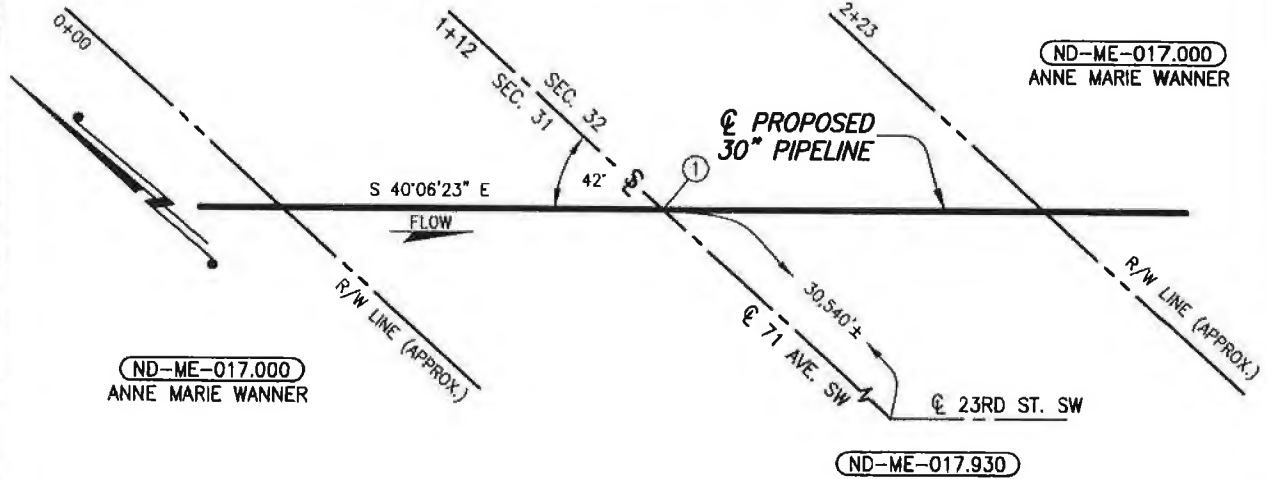
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016.

[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission

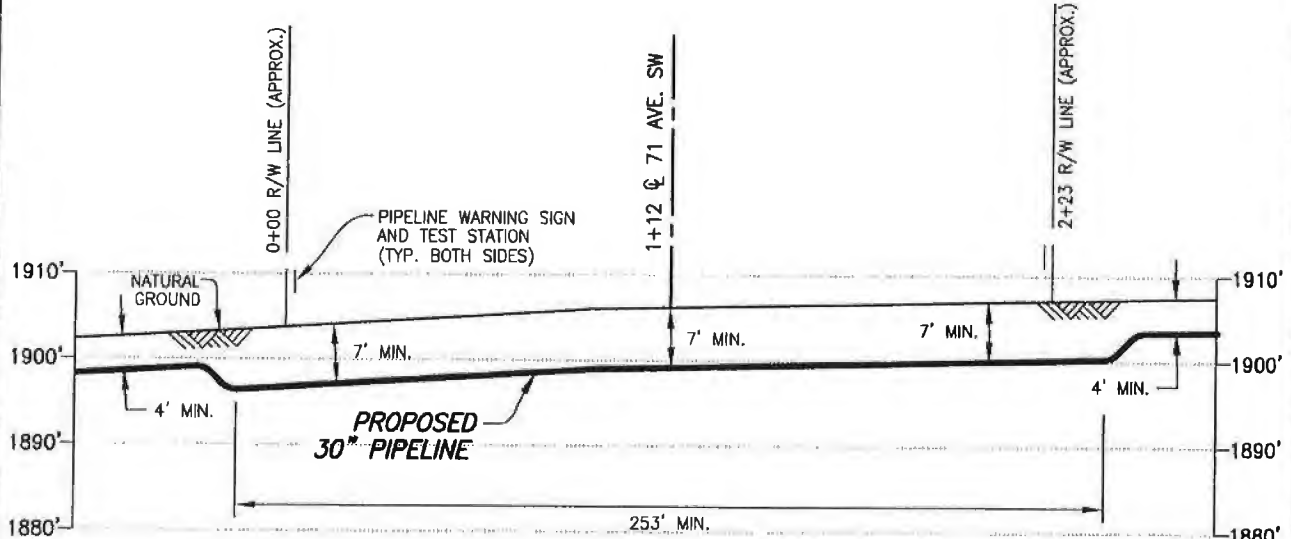
ND-me-017930 71 Ave SW

MERCER COUNTY, NORTH DAKOTA

SECTIONS 31 & 32, TOWNSHIP 143 NORTH, RANGE 89 WEST



PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=895304.76
Y=17152100.77

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: ☉ 71 AVENUE SW
AT STA. 1+12, ELEV. 1906.20'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-017.930.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

DAKOTA ACCESS, LLC			
PROPOSED 30" DAPL PIPELINE CROSSING 71 AVENUE SW		MERCER COUNTY NORTH DAKOTA	
REV.	DATE	BY	DESCRIPTION
A	03/02/18	MSM	ISSUED FOR USE/PERMIT
			RC
PROJECT NO.		10395700	
		WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C	
DRAWN BY: MSM		DATE: 03/03/16	DWG. NO.
CHECKED BY: RC		DATE: 03/04/16	REV.
SCALE: AS SHOWN		APP.:	ND-ME-017.930
			A

Utility Occupancy Application and Permit

Permit # 1628 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address Telephone Number

Claire Cunningham SR Permits Agent 802-989-2489
Applicant's Agent Title Telephone Number

Mercer County Road # 18 St SW Direction N S E W miles from city of _____
or 11,530' miles from Junction Mercer County Road # CR #11
Section(s) 32 & 5 Township 143/142 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)


OPEN CUT
Description of proposed method of installation

RECEIVED
MAR 11 2016

BY: _____	Size of Facility <u>1440 PSIG</u>	Number of Cables <u>N/A</u>	Length of Down Guys <u>N/A</u>
	Pipeline Pressure	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others	

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
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- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before _____

2/11/16 Date
 Vice President, Land and Right of Way
 Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof

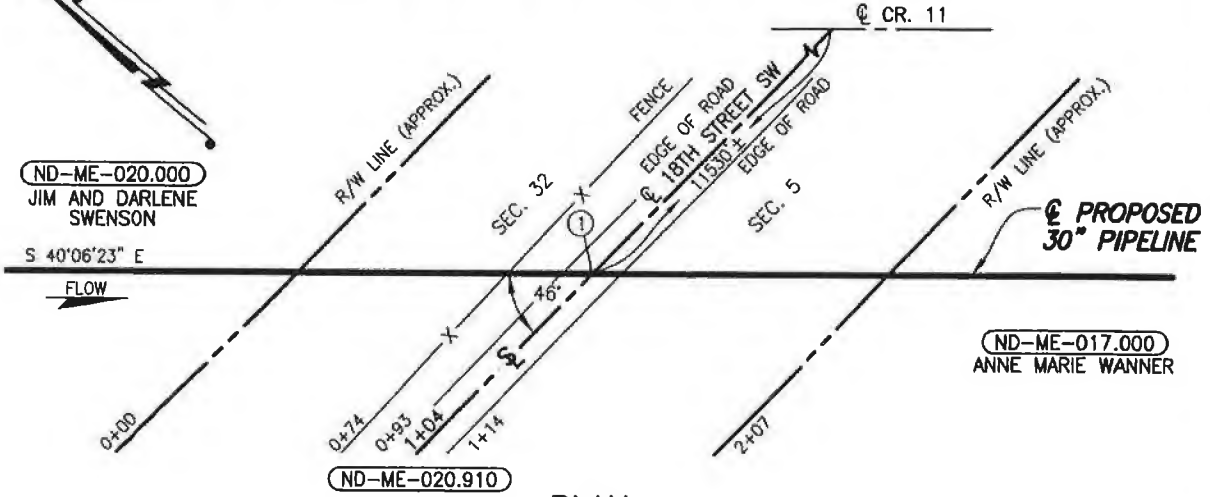
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016.

Ken F. Miller Road Superintendent
[Signature] Chairman, Mercer County Commission

ND-ME-020.910 18 St SW

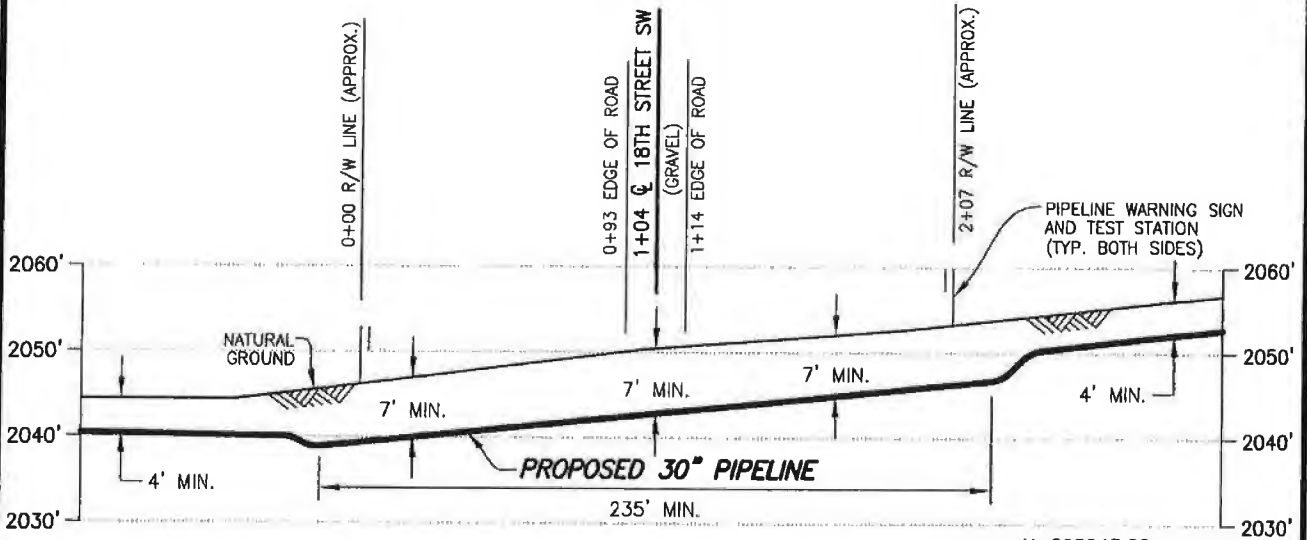
MERCER COUNTY, NORTH DAKOTA

SECTIONS 32 & 5, TOWNSHIP 143 & 142 NORTH, RANGE 89 WEST



PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=898943.60
Y=17147780.49
DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 18TH STREET SW AT STA. 1+04, ELEV. 2050.34'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-020.910.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/03/16	SMR	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 827C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 18TH STREET SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: SMR	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/03/16	ND-ME-020.910	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1629 (16)

Applicant Information:

Owner of Facility: DAKOTA ACCESS LLC of Houston, TX 77002

Mailing Address: 1300 MAIN STREET

Applicant's Agent: Claire Cunningham, Title: SR. Permits Agent, Telephone Number: 802-989-2489

Mercer County Road # 70 Ave SW Direction N(S) E W miles from city of ... or 1450' miles from Junction Mercer County Road # 18 St SW Section(s) 4 & 5 Township 142 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT Description of proposed method of installation

RECEIVED MAR 11 2016 BY: 1440 PSIC

Size of Facility: 1440 PSIC, Number of Cables: N/A, Length of Down Guys: N/A, Pipeline Pressure, Size of Casing, Length of Casing, Location of Pole(s), Location of Appurtenances, Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway.
D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way.
E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County.
F. Containment of Weeds until permanent grass has been established.
G. Additional installation & maintenance requirements are as follows (if applicable):
H. Installation shall be completed on or before

2/11/16 Date

[Signature] Vice President, Land and Right of Way Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

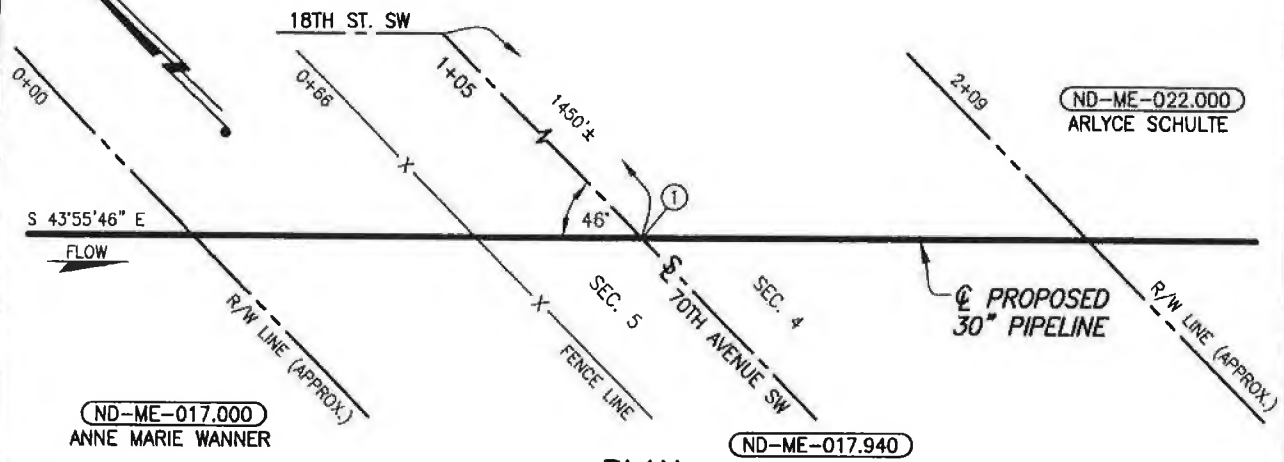
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016

[Signature] Road Superintendent, [Signature] Chairman, Mercer County Commission

ND-ME-017 940 70000 211

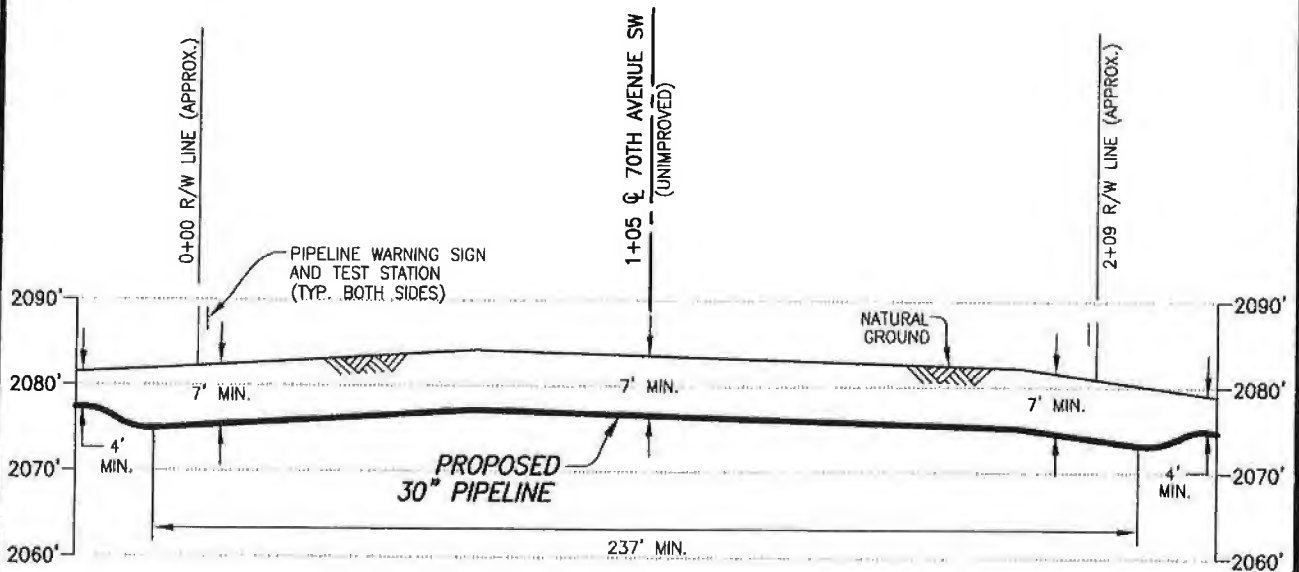
MERCER COUNTY, NORTH DAKOTA

SECTIONS 4 & 5, TOWNSHIP 142 NORTH, RANGE 89 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=900350.52
Y=17146266.72
DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 14
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: 70TH AVENUE SW
AT STA. 1+05, ELEV. 2083.58'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-017.940.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

A	03/03/16	ARC	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. 10395700
WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



PROPOSED 30" DAPL PIPELINE CROSSING 70TH AVENUE SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: ARC	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/03/16	ND-ME-017.940	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1630 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston TX 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address Telephone Number

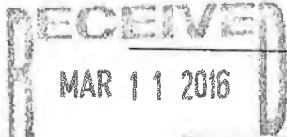
Carrie Cunningham SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Mercer County Road # 19 St. SW Direction N S E W miles from city of
or 13,650 miles from Junction Mercer County Road # CR#13
Section(s) 4 & 9 Township 142 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation



Size-of Facility Number of Cables Length of Down Guys
1440 PSIG N/A N/A
Pipeline Pressure Size of Casing Length of Casing
Location of Pole(s) Location of Appurtenances Location-Others
(Vents, Manholes, Valves, etc.)

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway.
D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way.
E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County.
F. Containment of Weeds until permanent grass has been established.
G. Additional installation & maintenance requirements are as follows (if applicable):
H. Installation shall be completed on or before

2/11/16
Date

[Signature] Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

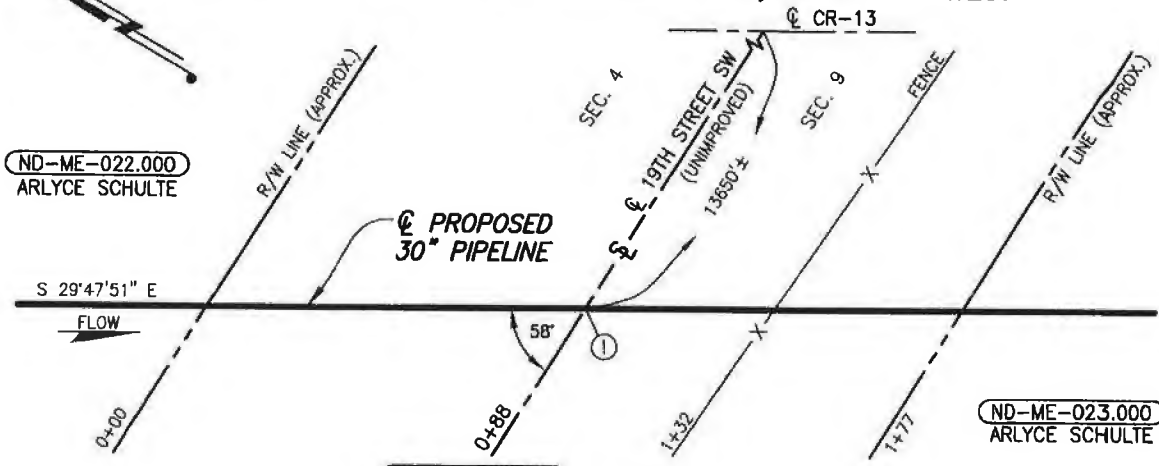
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.

[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission

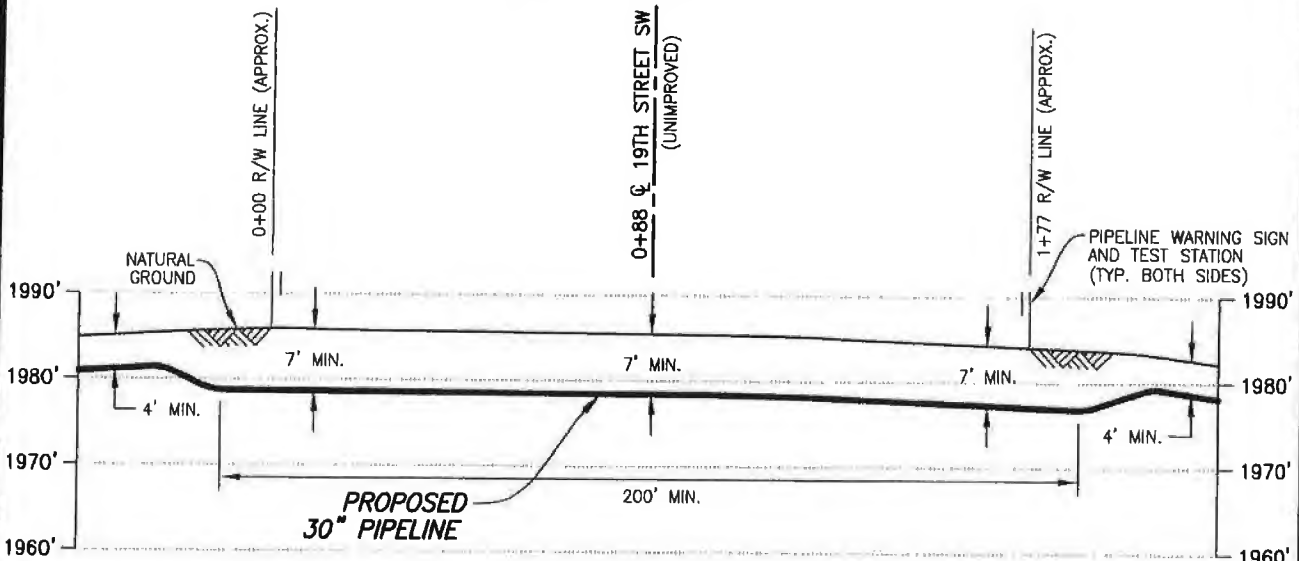
ND-ME -022.900 19 St SW

MERCER COUNTY, NORTH DAKOTA

SECTIONS 4 & 9, TOWNSHIP 142 NORTH, RANGE 89 WEST



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=902308.25
Y=17142375.81
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: ☉ 19TH STREET SW AT STA. 0+88, ELEV. 1985.50'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-022.900.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

A	03/02/16	JWH	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.
PROJECT NO.			10395700	
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C				

DAKOTA ACCESS, LLC			
PROPOSED 30" DAPL PIPELINE CROSSING 19TH STREET SW			
MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/16	ND-ME-022.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1631(16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, TX 77002
 Owner of Facility City State

1300 MAIN STREET
 Mailing Address

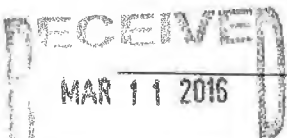
Claire Cunningham SR. Permits Agent 802.989.2489
 Applicant's Agent Title Telephone Number

Mercer County Road # 69 Ave Direction N S E W _____ miles from city of _____
 or 10,280' miles from Junction Mercer County Road # CR # 11

Section(s) 9 & 10 Township 14Z Range 89

Type of Facility:

30" CRUDE OIL PIPELINE
 Description of proposed facility (include drawings/sketches/staking sheet)



OPEN CUT
 Description of proposed method of installation

BY: _____

Size of Facility	Number of Cables	Length of Down Guys
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before _____

2/11/14
 Date

[Signature]
 Vice President, Land and Right of Way
 Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.

[Signature] Road Superintendent
[Signature] Chairman, Mercer County Commission

ND-ME -023.910 69 Ave SW

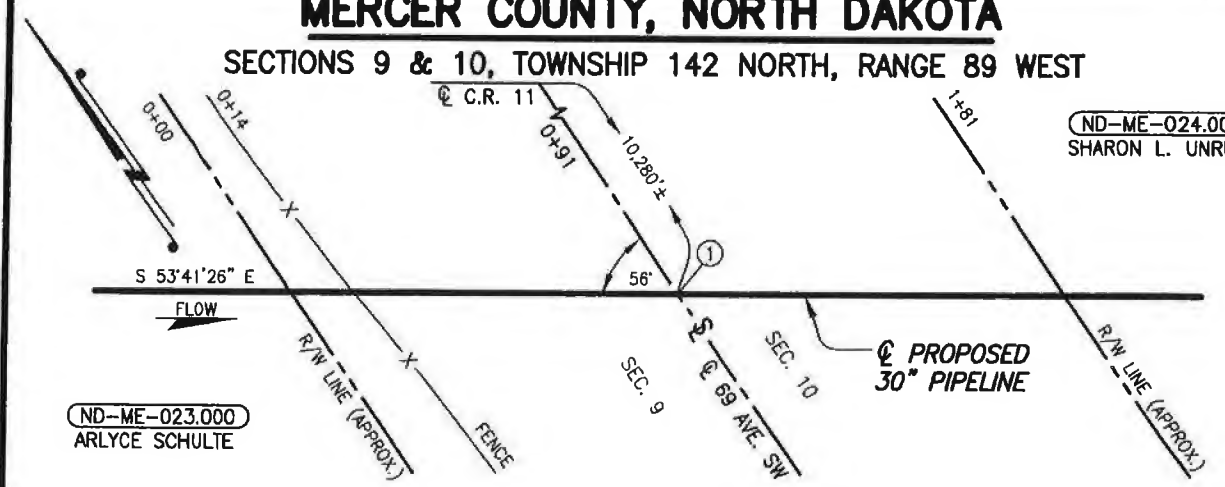
MERCER COUNTY, NORTH DAKOTA

SECTIONS 9 & 10, TOWNSHIP 142 NORTH, RANGE 89 WEST

ND-ME-024.000
SHARON L. UNRUH

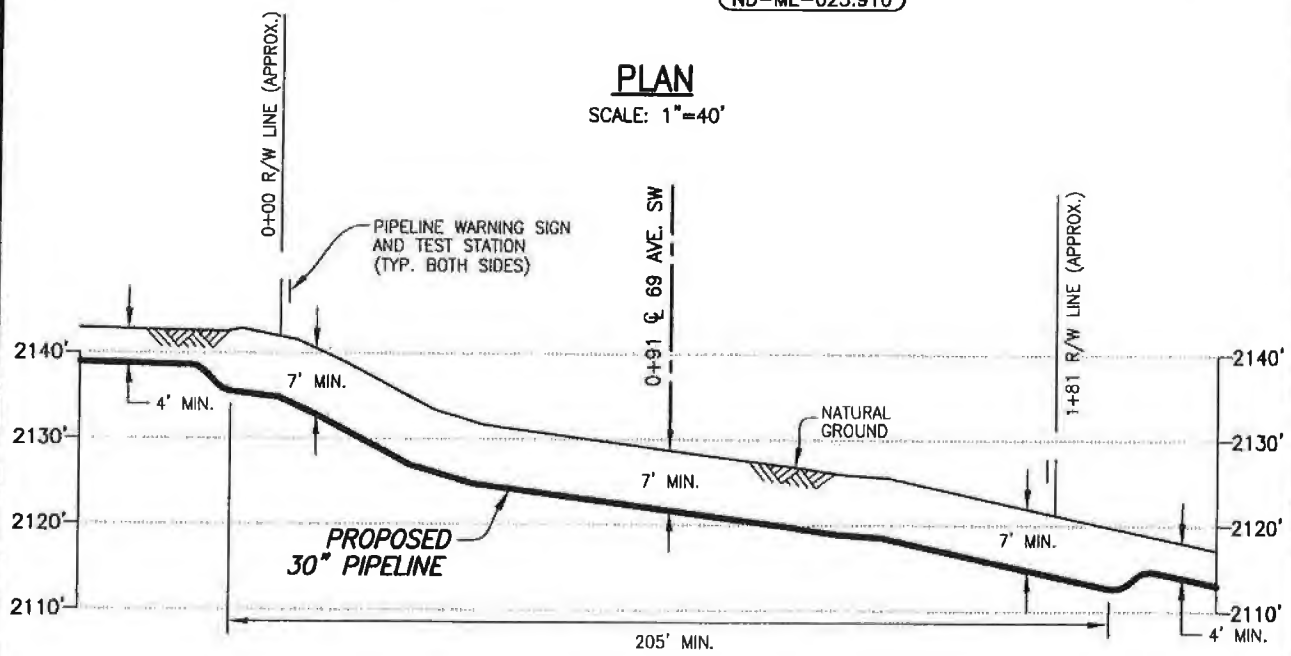
ND-ME-023.000
ARLYCE SCHULTE

ND-ME-023.910



PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=905357.03
Y=17139940.80

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ☉ 69 AVENUE SW AT STA. 0+91, ELEV. 2128.72'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-023.910.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/03/16	MSM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 69 AVENUE SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: MSM	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/04/16	ND-ME-023.910	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1632 (16)

Applicant Information:

Owner of Facility: DAKOTA ACCESS LLC of Houston TX 77002

Mailing Address: 1300 MAIN STREET

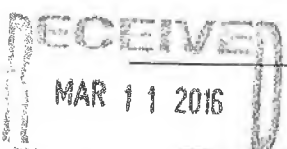
Applicant's Agent: Claire Cunningham SR. Permits Agent Telephone Number: 802.989.2489

Mercer County Road # 20 St SW Direction N S E (W) miles from city of ... or 7.650' miles from Junction Mercer County Road # CR 13 (67awesw) Section(s) 10 & 15 Township 142 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT Description of proposed method of installation



BY: Size of Facility: 1440 PSIG Pipeline Pressure Number of Cables: N/A Size of Casing: N/A Length of Down Guys: N/A Length of Casing: N/A Location of Pole(s): Location of Appurtenances (Vents, Manholes, Valves, etc.): Location-Others:

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway.
D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way.
E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County.
F. Containment of Weeds until permanent grass has been established.
G. Additional installation & maintenance requirements are as follows (if applicable):
H. Installation shall be completed on or before

Date: 2/11/16 Vice President, Land and Right of Way Applicant Signature

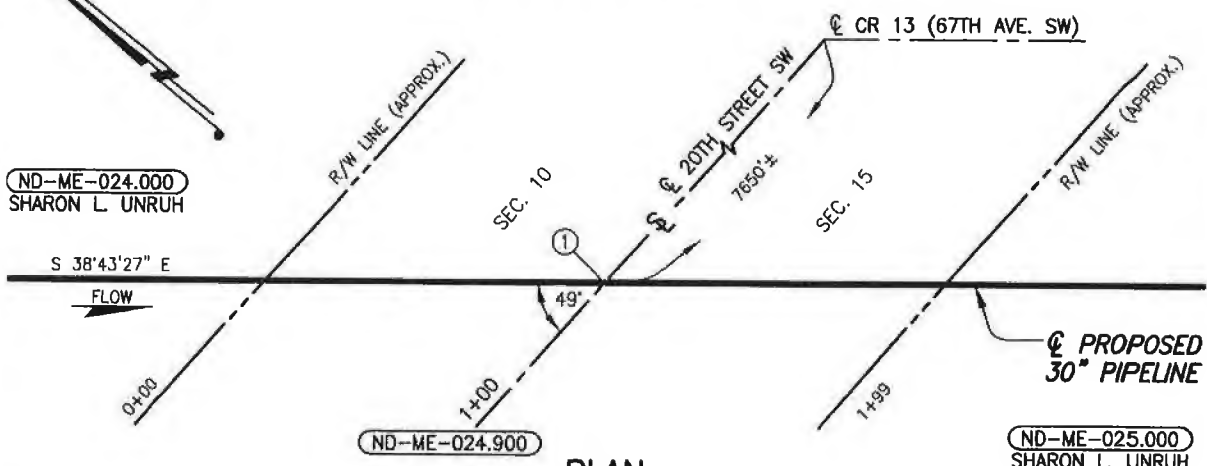
Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16 Road Superintendent Chairman, Mercer County Commission

ND MF 724 and 20 St SW

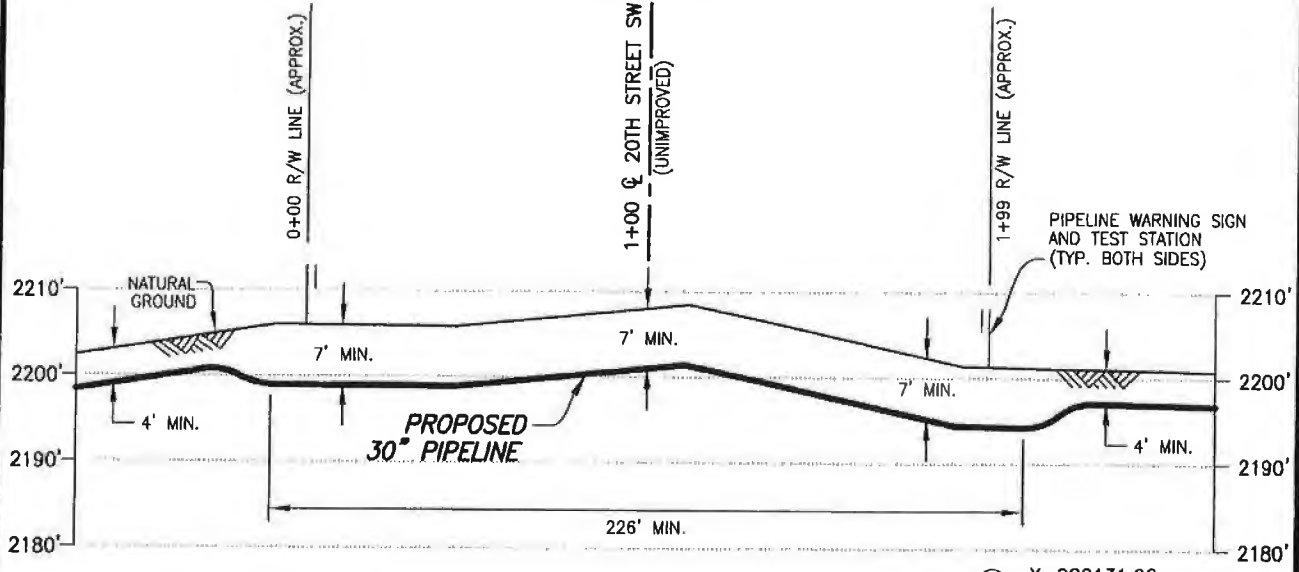
MERCER COUNTY, NORTH DAKOTA

SECTIONS 10 & 15, TOWNSHIP 142 NORTH, RANGE 89 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=908131.06
Y=17136912.79

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \oslash 20TH STREET SW AT STA. 1+00, ELEV. 2208.05'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-024.900.dwg PLOT DATE: 3/3/2016 BY: CANSON, ABRAHAM

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/03/16	ARC	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



PROPOSED 30" DAPL PIPELINE CROSSING 20TH STREET SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: ARC	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/03/16	ND-ME-024.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1633 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, TX 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address

Laure Cunningham SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Mercer County Road # 68 Ave SW Direction (N) S E W _____ miles from city of _____
 or 11,640' miles from Junction Mercer County Road # 23 St. SW

Section(s) 15 & 14 Township 142 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation

RECEIVED
 MAR 11 2016
 BY: _____
 PSEG

Size of Facility	Number of Cables	Length of Down Guys
<u>1440' PSEG</u>	<u>N/A</u>	<u>N/A</u>
Pipeline Pressure	Size of Casing	Length of Casing
<u>_____</u>	<u>_____</u>	<u>_____</u>
Location of Pole(s)	Location of Appurtenances <small>(Vents, Manholes, Valves, etc.)</small>	Location-Others
<u>_____</u>	<u>_____</u>	<u>_____</u>

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before _____

2/11/16
Date

Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016.

[Signature]
Road Superintendent
[Signature]
Chairman, Mercer County Board of Commissioners

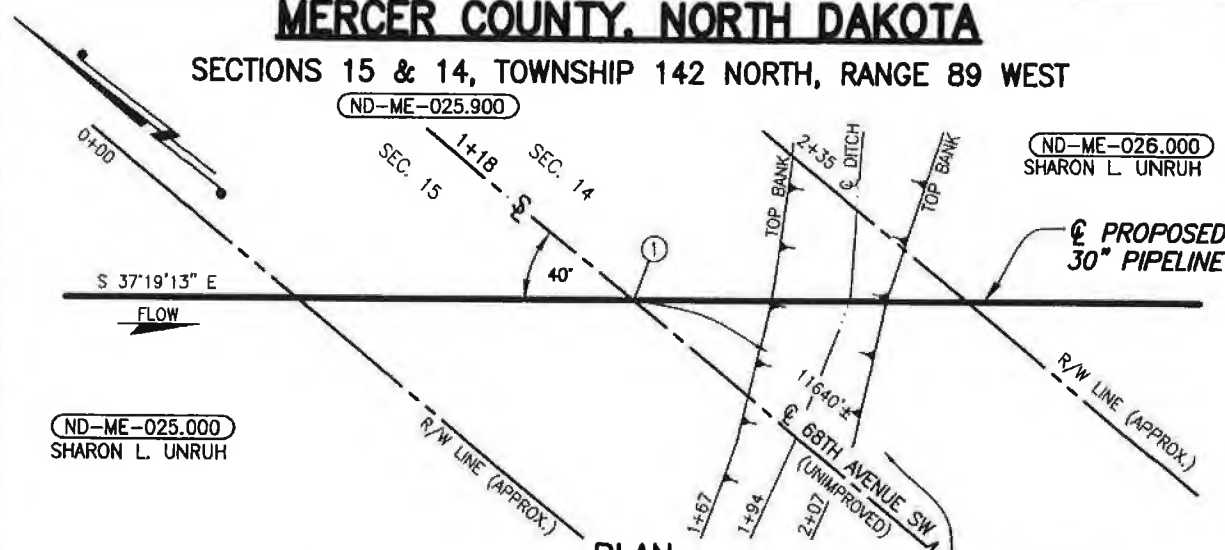
ND-ME - 075 900 (108 000 000)

MERCER COUNTY, NORTH DAKOTA

SECTIONS 15 & 14, TOWNSHIP 142 NORTH, RANGE 89 WEST

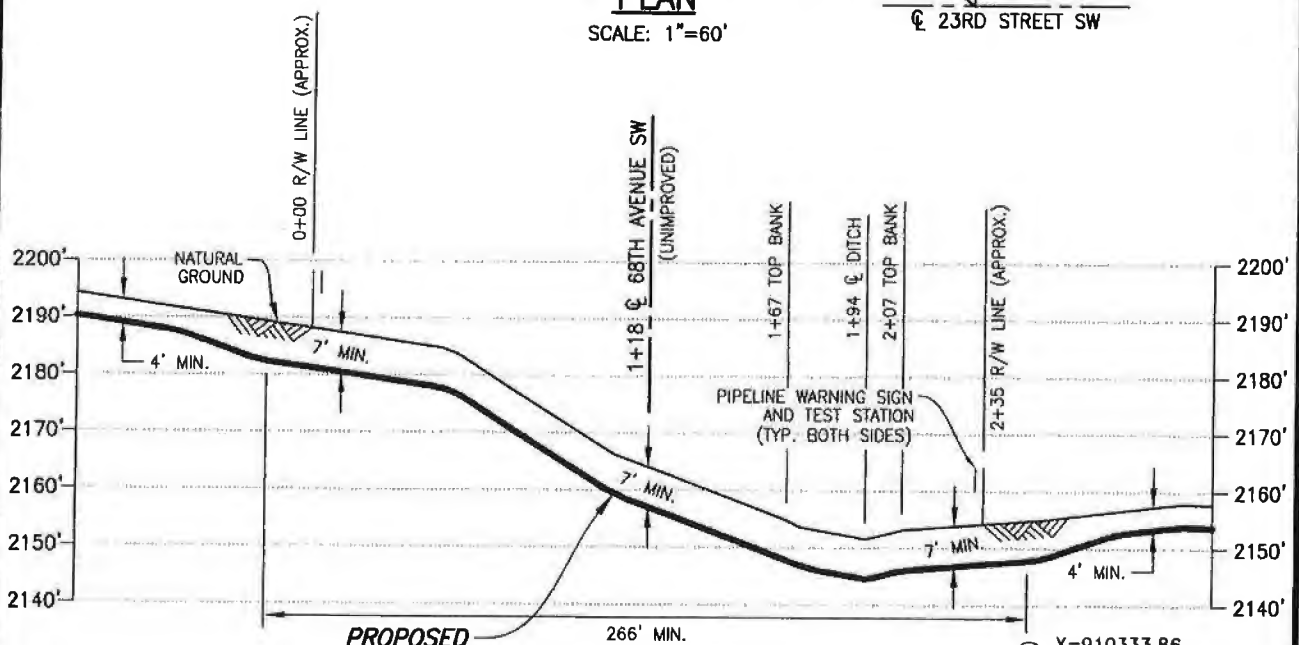
ND-ME-025.900

ND-ME-026.000
SHARON L. UNRUH



PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=30' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=910333.86
Y=17132699.24
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 68TH AVENUE SW
 AT STA. 1+18, ELEV. 2164.05'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-025.900.dwg PLOT DATE: 3/3/2016 BY: HARBOLT, JASON

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/03/16	JWH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**
WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



PROPOSED 30" DAPL PIPELINE CROSSING 68TH AVENUE SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/03/16	ND-ME-025.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1634 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, TX 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address

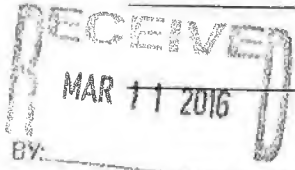
Caire Cunningham SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Mercer County Road # 21ST SW Direction N S E (W) miles from city of _____
 or 4340' miles from Junction Mercer County Road # CR # 13

Section(s) 14 & 23 Township 142 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)



OPEN CUT
Description of proposed method of installation

BY: _____

<u>1440 PSIG</u> Size of Facility Pipeline Pressure	<u>N/A</u> Number of Cables Size of Casing	<u>N/A</u> Length of Down Guys Length of Casing
_____	_____	_____
<small>Location of Pole(s)</small>	<small>Location of Appurtenances (Vents, Manholes, Valves, etc.)</small>	<small>Location-Others</small>

Terms & Conditions:

Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
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- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before _____

2/11/16 Date
[Signature] Vice President, Land and Right of Way
 Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

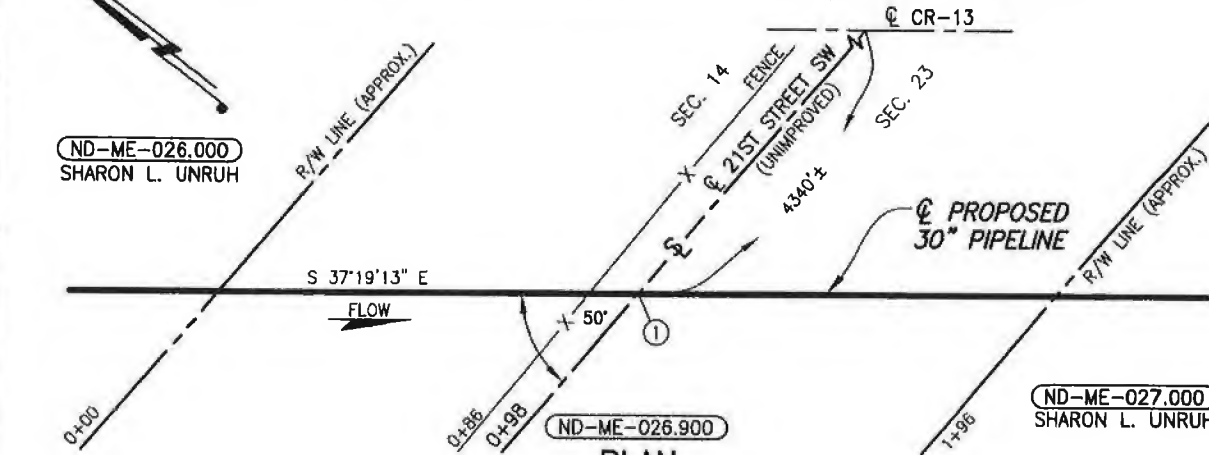
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April, 2016.

[Signature] Road Superintendent
[Signature] Chairman, Mercer County Commission

ND-ME - 026.900 21 St SW

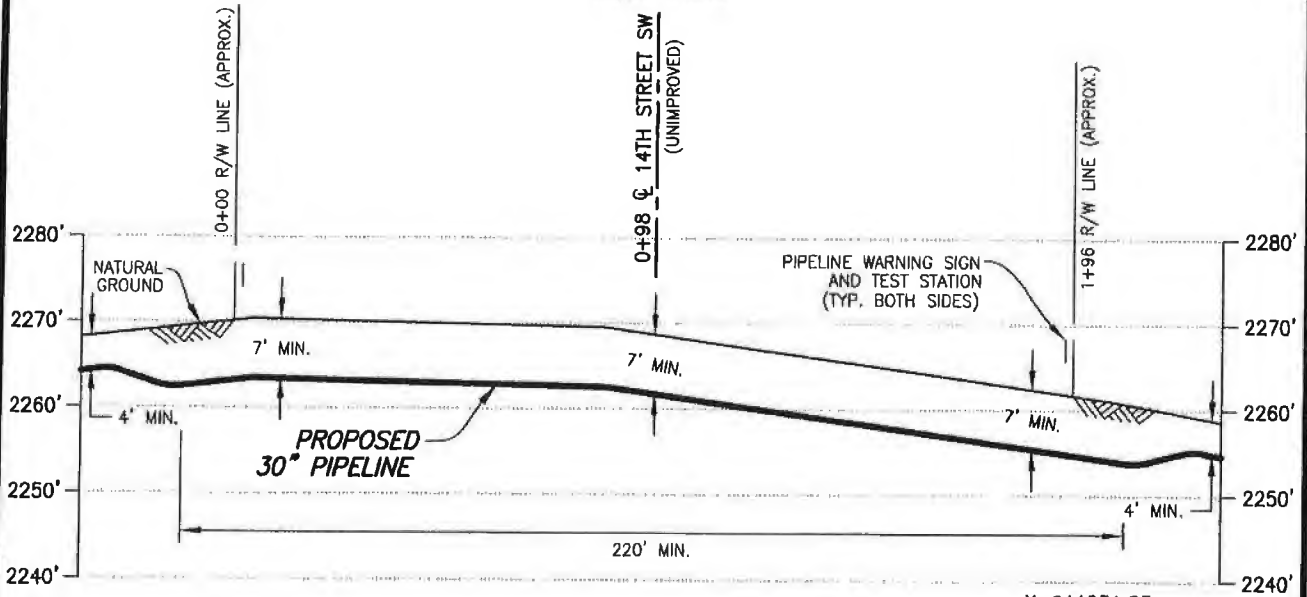
MERCER COUNTY, NORTH DAKOTA

SECTIONS 14 & 23, TOWNSHIP 142 NORTH, RANGE 89 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=911231.83
Y=17131521.35

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: @ 21ST STREET SW AT STA. 0+98, ELEV. 2268.72'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-026.900.dwg PLOT DATE: 3/3/2016 BY: HARBOLT, JASON

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/16	JWH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 21ST STREET SW

MERCER COUNTY NORTH DAKOTA

DRAWN BY: JWH	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/16	ND-ME-026.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1635 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, TX 77002
Owner of Facility City State

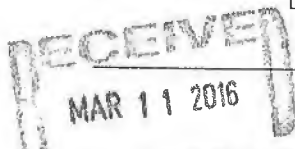
1300 MAIN STREET
Mailing Address Telephone Number

Clare Cunningham SR. Permits Agent 802-989-2489
Applicant's Agent Title Telephone Number

Mercer County Road # 225T SW Direction N S E W miles from city of _____
or 1170' miles from Junction Mercer County Road # CR # 13
Section(s) 23 & 26 Township 142 Range 89

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)



OPEN CUT
Description of proposed method of installation

BY: _____ Size of Facility	_____ Number of Cables	_____ Length of Down Guys
<u>1440 PSIG</u> Pipeline Pressure	<u>N/A</u> Size of Casing	<u>N/A</u> Length of Casing
_____ Location of Pole(s)	_____ Location of Appurtenances (Vents, Manholes, Valves, etc.)	_____ Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before _____

2/11/14
Date

[Signature]
Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

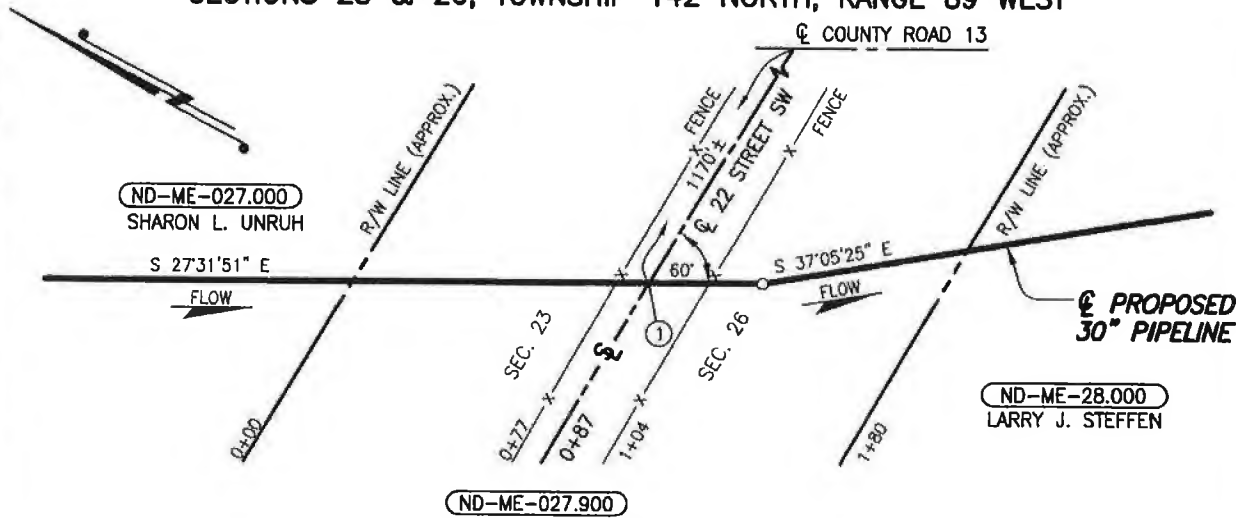
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.

[Signature] [Signature]
Road Superintendent Chairman, Mercer County Commission

ND-ME -027.900 22 St. SW

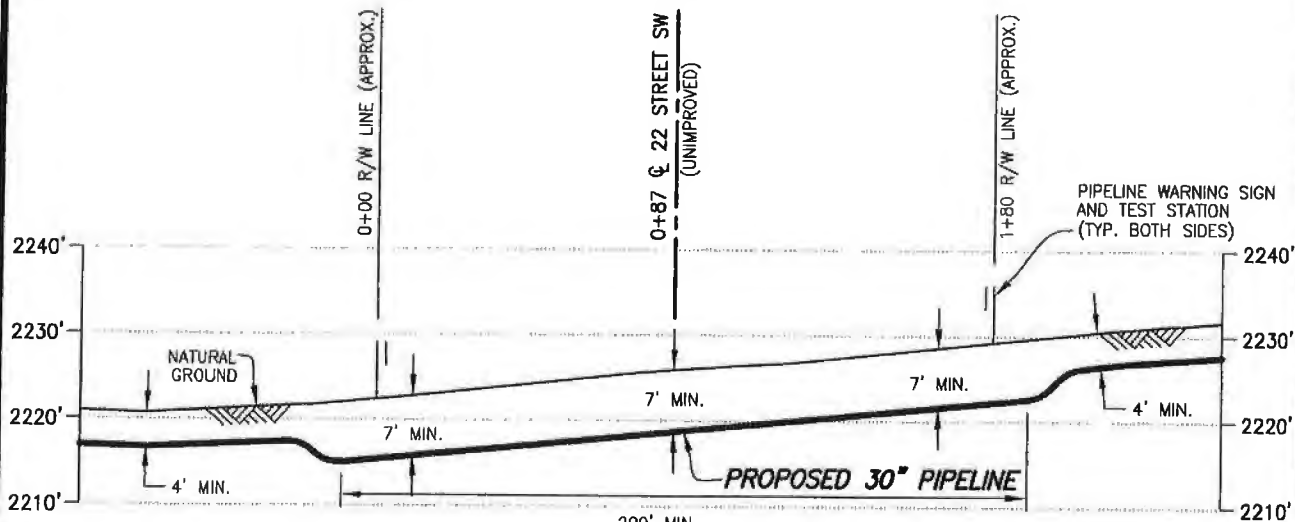
MERCER COUNTY, NORTH DAKOTA

SECTIONS 23 & 26, TOWNSHIP 142 NORTH, RANGE 89 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=914181.21
Y=17126122.51

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: 22 STREET SW AT STA. 0+87, ELEV. 2225.93'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\MERCER COUNTY\103957--PB--ND--ME--027.900.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/16	SMR	ISSUED FOR USE/PERMIT	RC
PROJECT NO.			10395700	
WOOD GROUP MUSTANG, INC.			NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C	

PROPOSED 30" DAPL PIPELINE CROSSING 22 STREET SW			
MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: SMR	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/16	ND-ME-027.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1597(16)

Applicant Information:

DAKOTA ACCESS, LLC of Houston, TX 77002
Owner of Facility City State

1300 Main STREET
Mailing Address Telephone Number

CLAIRE CUNNINGHAM SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

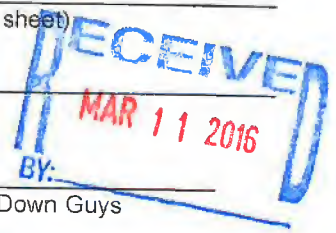
Location: 1300 Main Street

Mercer County Road # 13 Direction N S E W miles from city of _____
approx. of 455' miles from Junction Mercer County Road # 22 St. SW (Section Line)
 Section(s) 26 & 25 Township 142N Range 89W

Type of Facility:

30" CRUDE oil pipeline
Description of proposed facility (include drawings/sketches/staking sheet)

BORE
Description of proposed method of installation



Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
---	--	---

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
---------------------	--	-----------------

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before FEB MAY 2017
2/11/16 Date [Signature] Applicant Signature
 Vice President, Land and Right of Way

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016
[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission

ND-ME-028.900
CR #13

Longitudinal:

Location # _____
Mercer Co Highway # 13 Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or 455' miles from junction highway # 22 ST SW (section line)

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

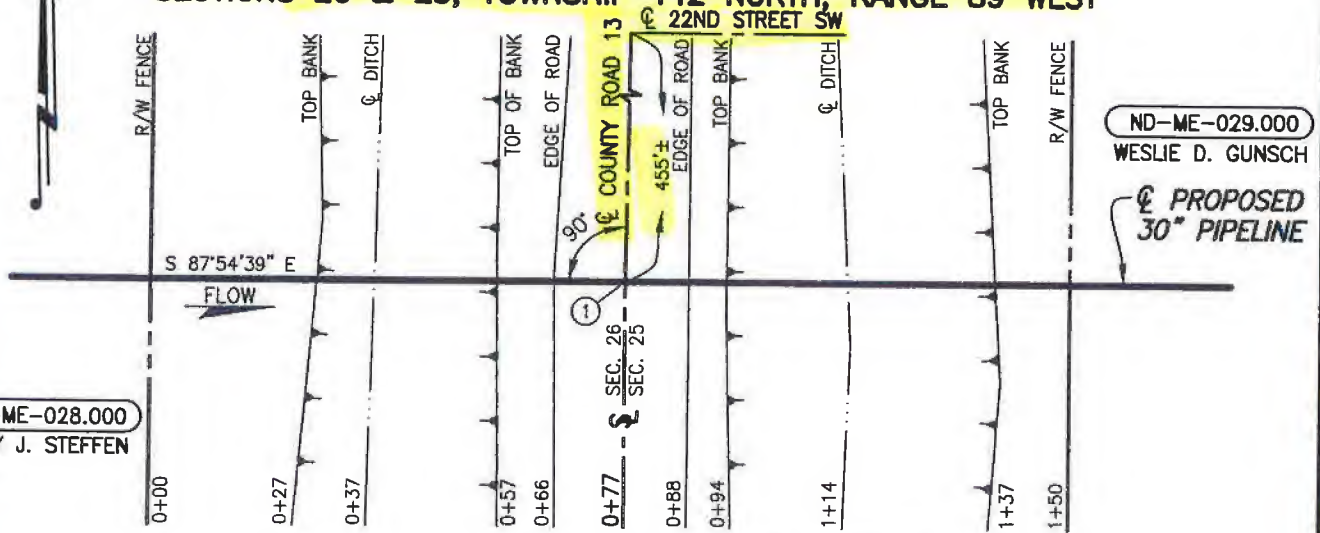
Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

ND-ME-028.900
CR#13

MERCER COUNTY, NORTH DAKOTA

SECTIONS 26 & 25, TOWNSHIP 142 NORTH, RANGE 89 WEST



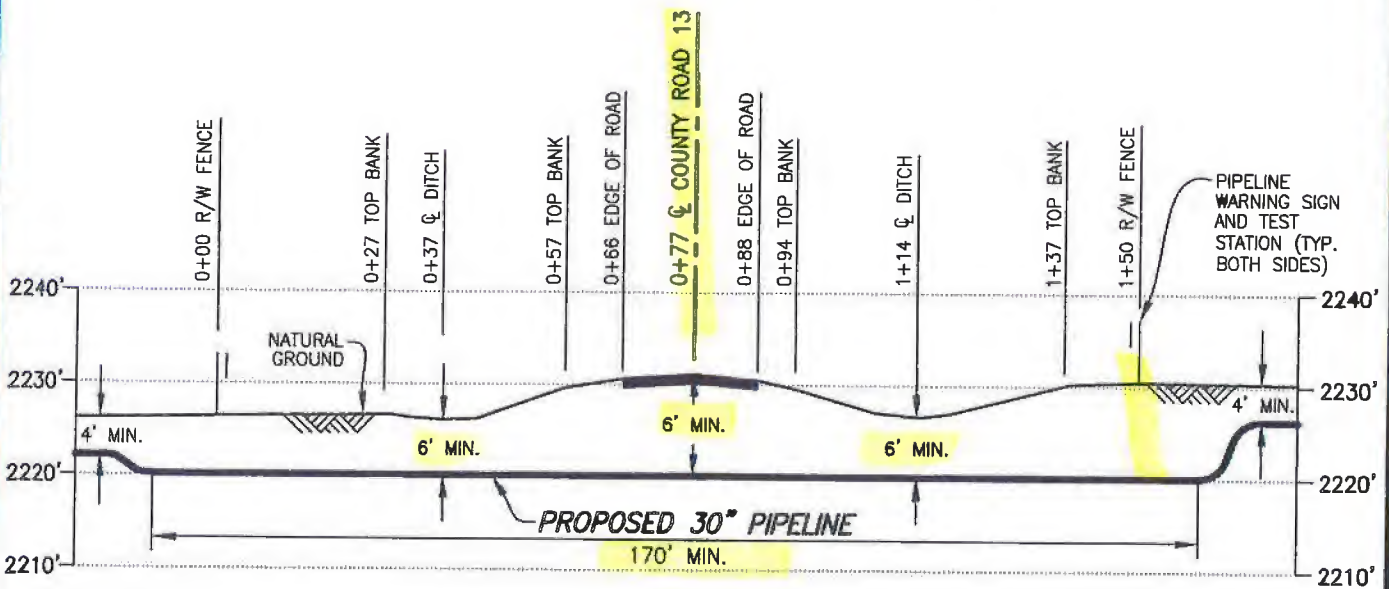
PLAN

SCALE: 1"=30'

ND-ME-028.000
LARRY J. STEFFEN

ND-ME-029.000
WESLIE D. GUNSCH

ND-ME-028.900



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X: 915338.83
Y: 17125667.83

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot COUNTY ROAD 13 AT STA. 0+77, ELEV. 2231.22'

REV.	DATE	BY	DESCRIPTION	CHK.
C	08/03/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	

PROJECT NO. **10395700**



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
COUNTY ROAD 13 (67TH AVENUE SW)**

MERCER COUNTY NORTH DAKOTA

DRAWN BY: PRV	DATE: 12/01/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-028.900	C
SCALE: AS SHOWN	APP.:		

28.900.dwg PLOT DATE: 9/9/2015 BY: GARCIA, REFUGIO

\\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND

FILE: R:\P

Approved
Permit
March 11, 2016

MERCER COUNTY HIGHWAY DEPARTMENT DRIVE PERMIT

Permit No. 066 (16) + 067 (16)

APPLICANT <u>DAKOTA ACCESS, LLC</u>	ADDRESS <u>1300 MAIN STREET</u>	
CITY <u>Houston</u>	STATE <u>TX</u>	ZIP <u>77002</u>

The Applicant requests permission to construct 2 ^{Temporary}~~private-commercial~~ drive(s) on the County roadway right of way along the W/E side of County route # 13, 455' S, from 22 ST. SW Section Line described as follows:
Amount Circle One location
direction Town, Highway, Junction

(Description of proposed work on county right of way and type of business served)

Temporary accesses for construction of a 30" crude oil pipeline

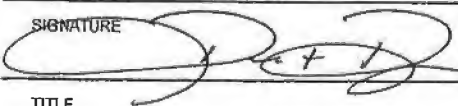
RECEIVED
MAR 11 2016
BY: _____

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

To be signed by Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer. (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

MERCER COUNTY HIGHWAY DEPARTMENT

APPLICANT:

NAME (TYPE OR PRINT) <u>ROBERT ROSE</u>	<u>Ken J. Miller</u> COUNTY ENGINEER (TYPE OR PRINT)
SIGNATURE 	SIGNATURE <u>Ken J. Miller</u>
TITLE <u>Vice President, Land and Right of Way</u>	DATE <u>06 April 16</u>
DATE <u>1/28/16</u>	Construction to be completed by: <u>Summer 2016</u> , 20 <u>16</u>
Permit Granted: <u>06 April</u> , 20 <u>16</u>	



WD-ME-028.900
CE #13

Utility Occupancy Application and Permit

Permit # 1598 (16)

Applicant Information:

DAKOTA ACCESS, LLC of Houston, Tx 77002
Owner of Facility City State

1300 Main STREET Telephone Number
Mailing Address

CLAIRE CANNINGHAM SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 23 St SW Direction N S E W miles from city of _____
Approx of 4310' miles from Junction Mercer County Road # 13 (67 Ave SW)
Section(s) 25 & 36 Township 142 N Range 89W

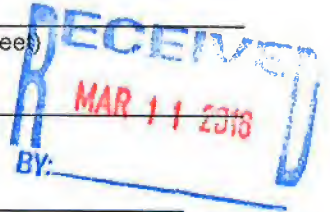
Type of Facility:

30" CRUDE oil pipeline

Description of proposed facility (include drawings/sketches/staking sheets)

BORE

Description of proposed method of installation



Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
---	--	---

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
---------------------	--	-----------------

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before MAY 2017 IBF

2/11/16
Date

[Signature] Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016.

[Signature]
Road Superintendent

[Signature]
Chairman, Mercer County Commission

ND-ME-030.900
23 St. SW

Longitudinal:

Location # _____
Mercer Co. Highway # 23 St. SW Lanes of Traffic 2 4
Direction N SEW Approx 4310' feet from mile marker CR 13 (67 Ave SW)
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

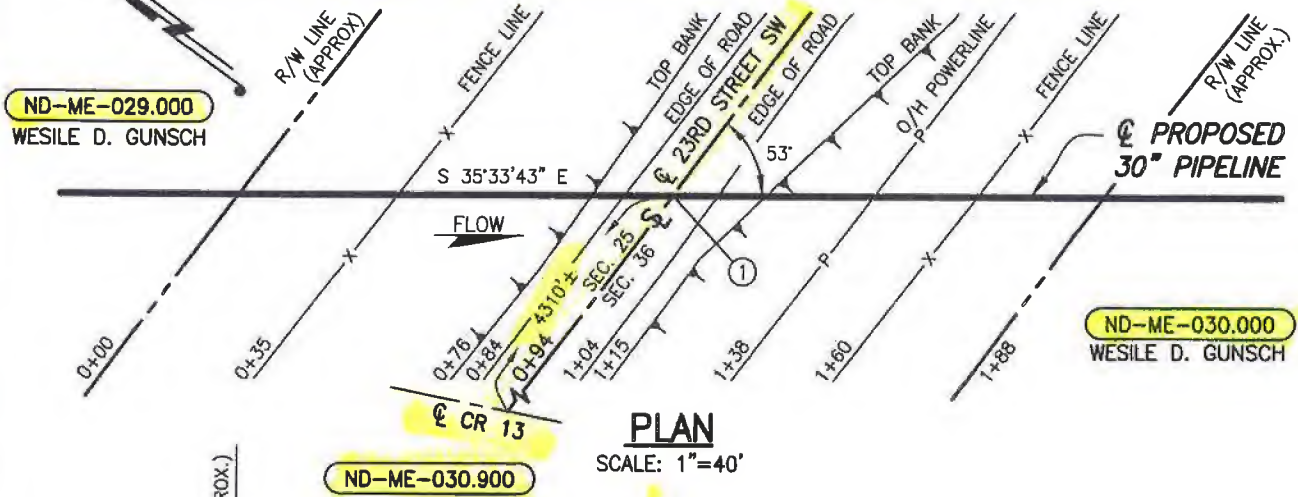
Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

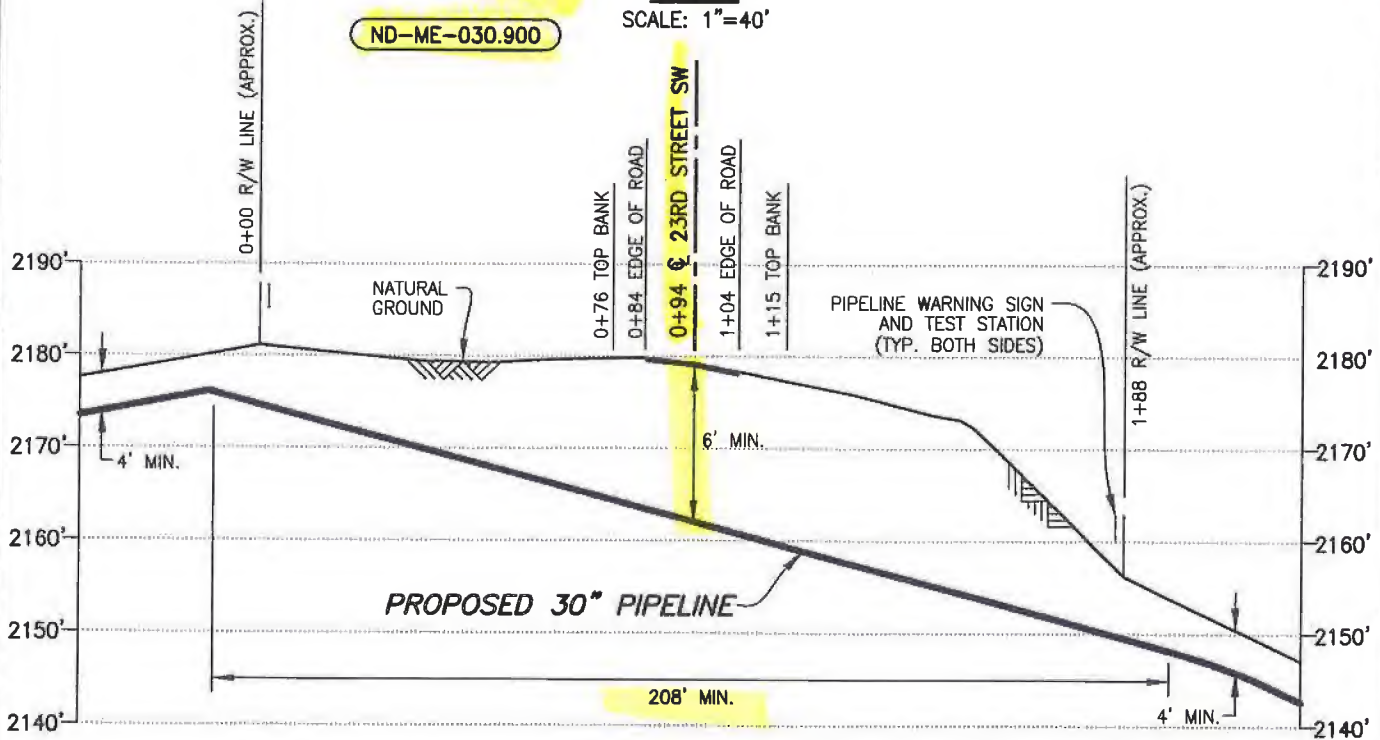
ND - ME - 036.900
23 St. SW

MERCER COUNTY, NORTH DAKOTA

SECTIONS 25 & 36, TOWNSHIP 142 NORTH, RANGE 89 WEST



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=919498.92
 Y=17120643.78
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: ☉ 23RD STREET SW
 AT STA. 0+94, ELEV. 2179.29'

FILE: R:\Proj\13957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-ND-ME-100.dwg PLOT DATE: 12/31/2015 BY: PALACIOS, OSCAR

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/31/15	OP	ISSUED FOR USE/PERMIT	RC
A	03/02/15	OP	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**



**PROPOSED 30" DAPL PIPELINE CROSSING
23RD STREET SW**

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 12/04/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-030.900	B
SCALE: AS SHOWN	APP.:		

Approved -
Permit
MERCER

MERCER COUNTY HIGHWAY DEPARTMENT DRIVE PERMIT

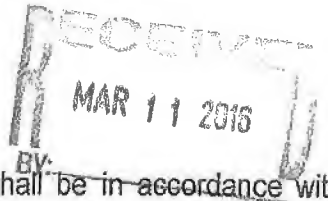
Permit No. 068(16) + 069(16)

APPLICANT <u>DAKOTA ACCESS, LLC</u>		ADDRESS <u>1300 MAIN STREET</u>	
CITY <u>Houston</u>	STATE <u>TX</u>	ZIP <u>77002</u>	

The Applicant requests permission to construct 2 ^{Amount} ~~private~~ ^{Temporary} ~~commercial~~ drive(s) on the County roadway right of way along the NIS ^{direction} side of County route # 23 ST SW, approx 4310' ^{location} E, from CR # 13 ^{Town, Highway, Junction} described as follows:

(Description of proposed work on county right of way and type of business served)

Temporary accesses To construct a 30" crude oil pipeline



Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

To be signed by Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer. (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

MERCER COUNTY HIGHWAY DEPARTMENT

APPLICANT:

Ken J. Miller

NAME (TYPE OR PRINT) <u>ROBERT ROSE</u>	COUNTY ENGINEER (TYPE OR PRINT) <u>Ken J. Miller</u>
SIGNATURE <u>[Signature]</u>	SIGNATURE <u>[Signature]</u>
TITLE <u>Vice President, Land and Right of Way</u>	DATE <u>06 April 16</u>

DATE 1/28/16
 Permit Granted: 06 April, 20 16 Construction to be completed by: Summer 2016, 20 _____



ND-ME-030.900
23 ST. SW

Utility Occupancy Application and Permit

Permit # 1636 (16)

Applicant Information:

Owner of Facility: DAKOTA ACCESS LLC of Houston, TX 77002

Mailing Address: 1300 MAIN STREET Telephone Number:

Applicant's Name: Claire Cunningham Title: Sr. Permits Agent Telephone Number: 802-989-2489

Mercer County Road # 166 Ave SW Direction N 8 E W miles from city of or 1240' miles from Junction Mercer County Road # 23 St SW Section(s) 31 & 36 Township 142 Range 88/89

Type of Facility:

30" CRUDE OIL PIPELINE Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT Description of proposed method of installation

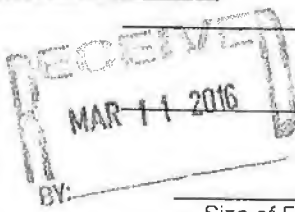


Table with 3 columns: Size of Facility, Number of Cables, Length of Down Guys, Pipeline Pressure, Size of Casing, Length of Casing, Location of Pole(s), Location of Appurtenances, Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway.
D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way.
E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County.
F. Containment of Weeds until permanent grass has been established.
G. Additional installation & maintenance requirements are as follows (if applicable):
H. Installation shall be completed on or before

Date: 2/11/16

Vice President, Land and Right of Way Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

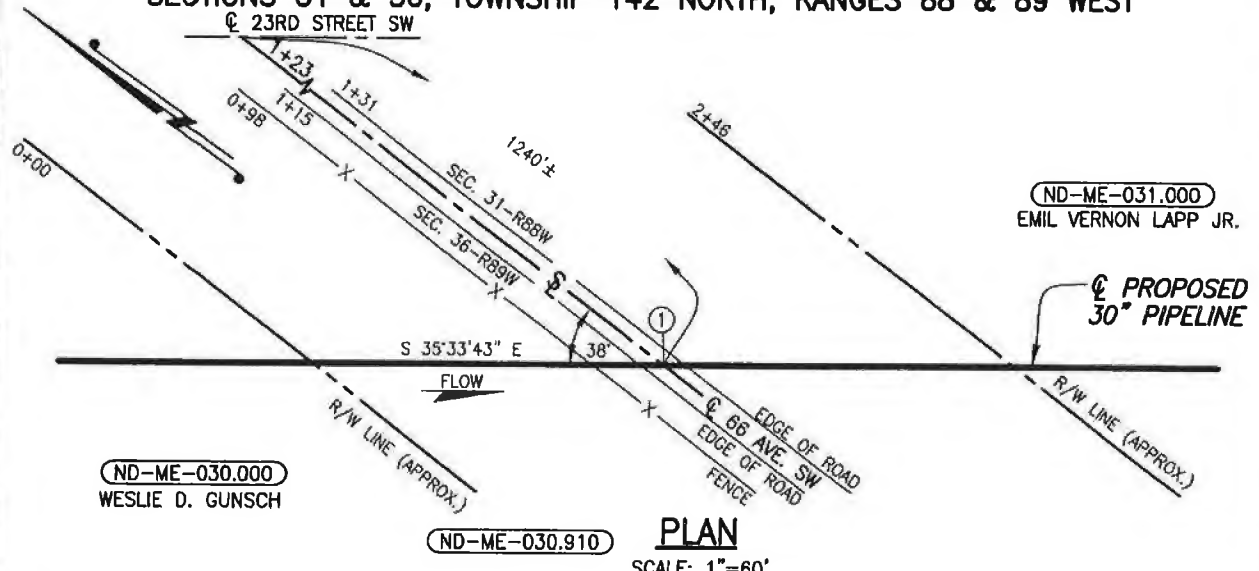
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16

Road Superintendent: Tony Miller Chairman Mercer County Commission

ND-ME-030.910 166 Ave SW

MERCER COUNTY, NORTH DAKOTA

SECTIONS 31 & 36, TOWNSHIP 142 NORTH, RANGES 88 & 89 WEST



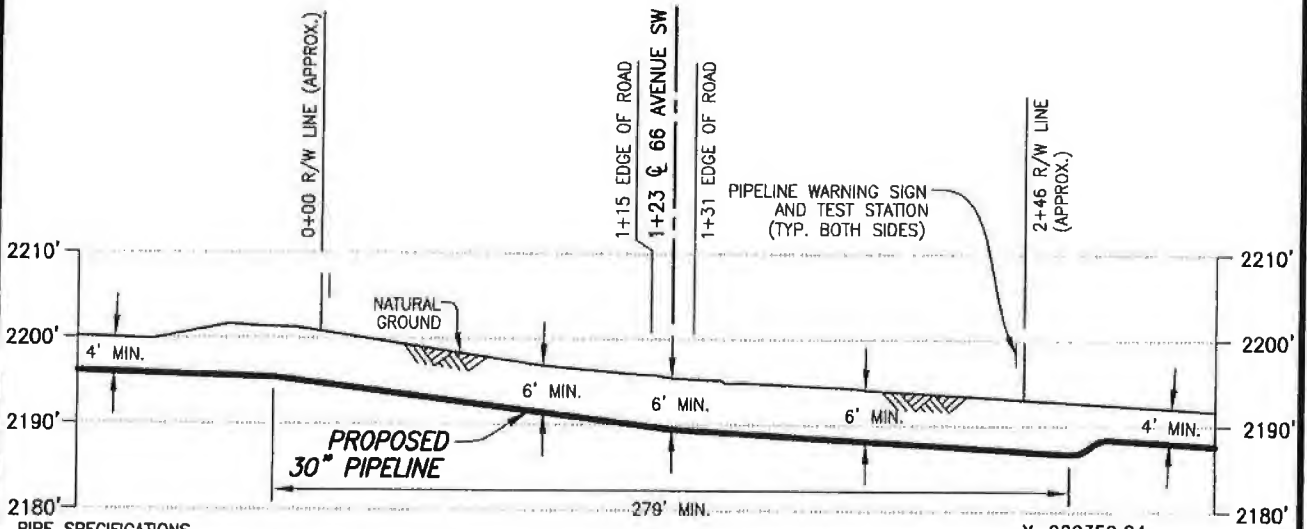
ND-ME-031.000
EMIL VERNON LAPP JR.

ND-ME-030.000
WESLIE D. GUNSCH

ND-ME-030.910

PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

① X=920359.24
Y=17119440.41

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 66 AVENUE SW AT STA. 1+23, ELEV. 2195.31'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-030.910.dwg PLOT DATE: 9/8/2015 BY: GARCIA, REFUGIO

REV.	DATE	BY	DESCRIPTION	CHK.
B	03/03/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	MS	ISSUED FOR USE/PERMIT	RC



PROPOSED 30" DAPL PIPELINE CROSSING 66 AVENUE SW

PROJECT NO. 10395700
WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: MS	DATE: 02/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-030.910	B
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1637 (6)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address Telephone Number

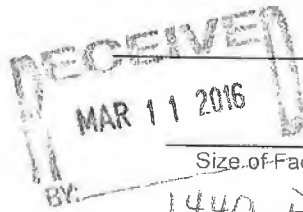
Carrie Cunningham SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Mercer County Road # 24 St. SW Direction N S E (W) miles from city of _____
 or 2070' miles from Junction Mercer County Road # 65 Ave SW
 Section(s) 31 & 6 Township 142/141 Range 88

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation



<small>Size of Facility</small>	<small>Number of Cables</small>	<small>Length of Down Guys</small>
<u>1440 PSIG</u>	<u>N/A</u>	<u>N/A</u>
<small>Pipeline Pressure</small>	<small>Size of Casing</small>	<small>Length of Casing</small>
<small>Location of Pole(s)</small>	<small>Location of Appurtenances (Vents, Manholes, Valves, etc.)</small>	<small>Location-Others</small>

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before _____

2/11/16 [Signature] **Vice President, Land and Right of Way**
Date Applicant Signature

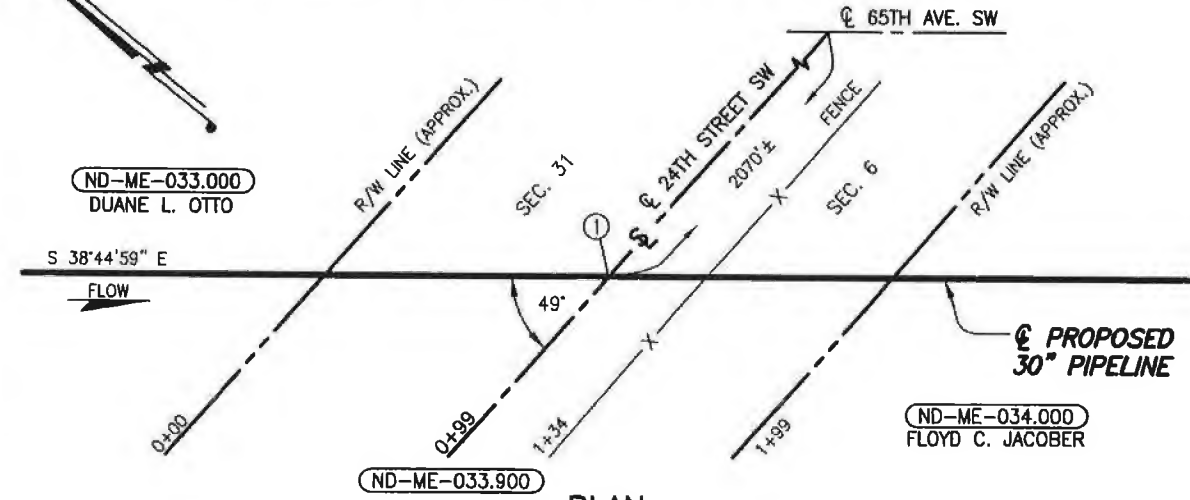
Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.
[Signature] [Signature]
Road Superintendent Chairman, Mercer County Commission

ND-MF - 03390A 245+ (11)

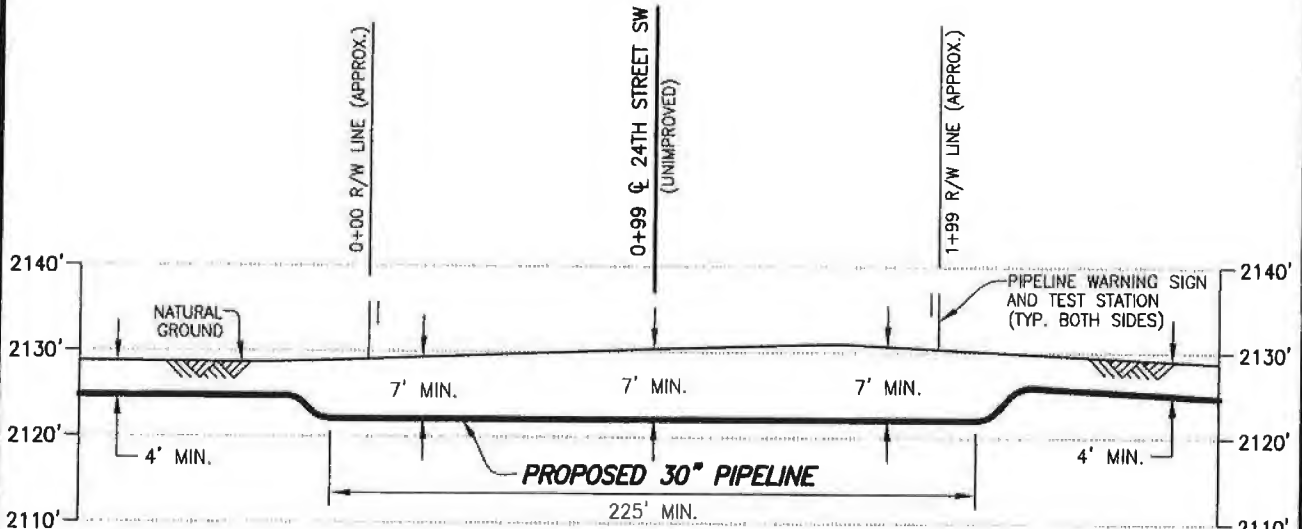
MERCER COUNTY, NORTH DAKOTA

SECTIONS 31 & 6, TOWNSHIP 142 & 141 NORTH, RANGE 88 WEST



PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

① X=923371.58
Y=17115255.33

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ☉ 24TH STREET SW AT STA. 0+99, ELEV. 2130.35'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-ND-ME-033.900.dwg PLOT DATE: 3/3/2016 BY: RICKS, STEVEN

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/03/16	SMR	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



PROPOSED 30" DAPL PIPELINE CROSSING 24TH STREET SW

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: SMR	DATE: 03/03/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/03/16	ND-ME-033.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1599 (16)

Applicant Information:

DAKOTA ACCESS, LLC of Houston, TX 77002
Owner of Facility City State

1300 Main STREET Telephone Number _____
Mailing Address

CLAIRE CANNINGHAM SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

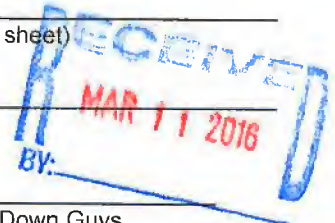
Location of Facility:

Mercer County Road # 16 Direction N S E W _____ miles from city of _____
Approx. 2175' miles from Junction Mercer County Road # 24 St. SW (section line)
Section(s) 6 & 5 Township 141 N Range 88W

Type of Facility:

30" CRUDE oil pipeline
Description of proposed facility (include drawings/sketches/staking sheet)

BORE
Description of proposed method of installation



Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
---	--	---

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
---------------------	--	-----------------

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before MAY 2017 TBR

2/11/16
Date

[Signature] Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.

[Signature]
Road Superintendent

[Signature]
Chairman, Mercer County Commission

ND-me-036.900
CR 16

Longitudinal:

Location # _____
Mercer Co Highway # 16 Lanes of Traffic (2) 4
Direction N (S) E W _____ 2175 feet from mile marker 24 St. SW sec. line
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

WD-me-036.900
CR 16

MERCER COUNTY, NORTH DAKOTA

SECTIONS 5 & 6, TOWNSHIP 141 NORTH, RANGE 88 WEST

ND-ME-037.000

CLYDE M. AND
EUNICE M. FRANK

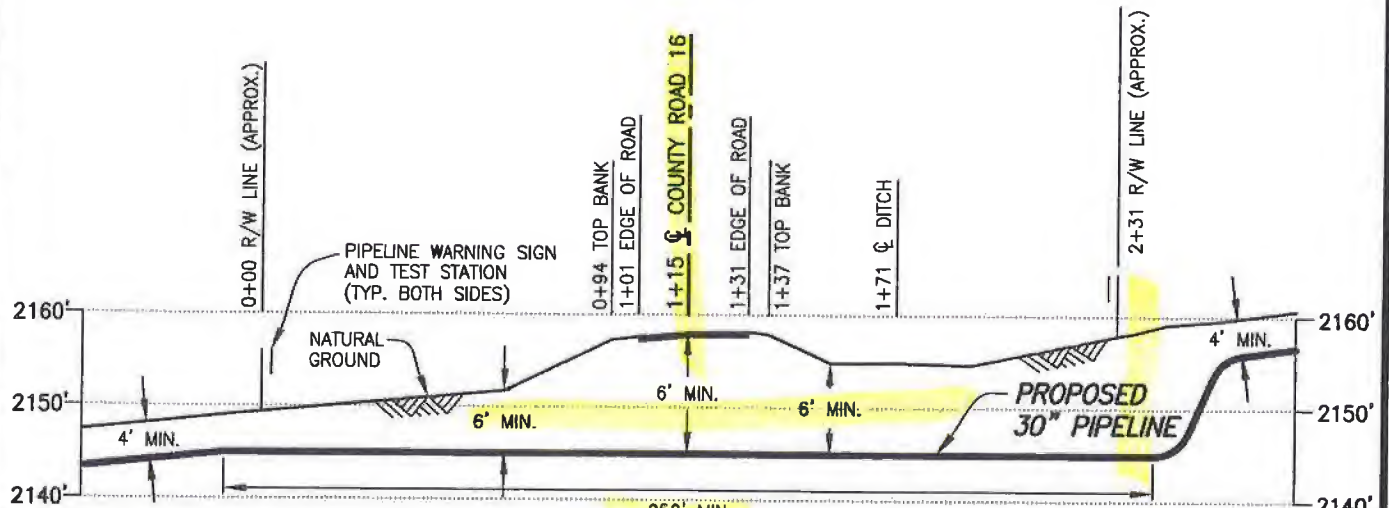
ND-ME-036.000

KIM K. AND
TRISHA L. KESSLER

ND-ME-036.900

PLAN

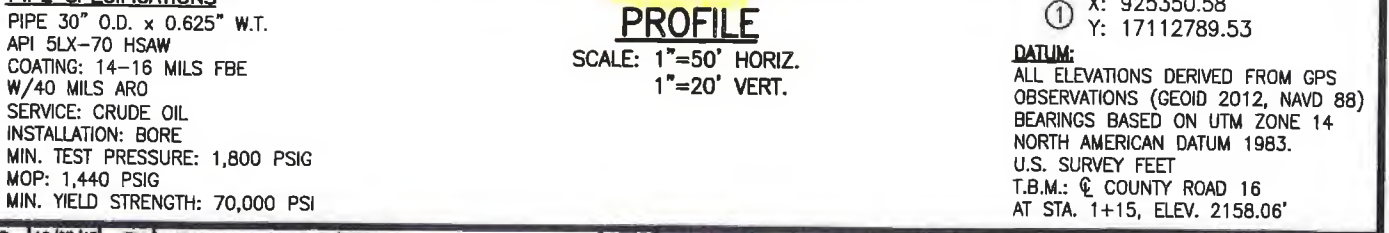
SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

252' MIN.



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X: 925350.58
Y: 17112789.53

DATUM:

ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 14
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: ☉ COUNTY ROAD 16
AT STA. 1+15, ELEV. 2158.06'

REV.	DATE	BY	DESCRIPTION	CHK.
D	10/27/15	JTM	ISSUED FOR USE/PERMIT	RC
C	09/03/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING COUNTY ROAD 16

PROJECT NO. **10395700**

MERCER COUNTY DAKOTA

DRAWN BY: PRV	DATE: 12/02/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-036.900	D
SCALE: AS SHOWN	APP.:		

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\V \103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-NI 336.900.dwg PLOT DATE: 10/27/2015 BY: MADAMBA, JOEY

Approved
1/22/16
MERCER COUNTY

MERCER COUNTY HIGHWAY DEPARTMENT DRIVE PERMIT

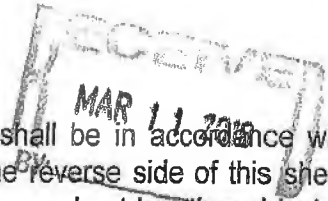
Permit No. 070(16) & 071(16)

APPLICANT <u>DAKOTA ACCESS, LLC</u>	ADDRESS <u>1300 MAIN STREET</u>	
CITY <u>Houston</u>	STATE <u>TX</u>	ZIP <u>77002</u>

The Applicant requests permission to construct 2 ^{Amount} ~~private~~ ^{Temporary} commercial drive(s) on the County roadway right of way along the W/E _{direction} side of County route # 16, approx 2175' _{location} S, from 24 ST. SW (section line) _{Town, Highway, Junction} described as follows:

(Description of proposed work on county right of way and type of business served)

Temporary access drives for construction of a 30" crude oil pipeline



Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

To be signed by Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer. (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

MERCER COUNTY HIGHWAY DEPARTMENT

APPLICANT:

NAME (TYPE OR PRINT)

Robert Rose

SIGNATURE

[Handwritten Signature]

TITLE

Vice President, Land and Right of Way

DATE

1/20/16

COUNTY ENGINEER (TYPE OR PRINT)

Kou J. Miller

SIGNATURE

[Handwritten Signature]

DATE

06 April 16

Permit Granted: 06 April, 2016

Construction to be completed by: _____, 20____



Sketch

ND-me-036-900
OR 16

Utility Occupancy Application and Permit

Permit # 1600 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address Telephone Number

Clare Cunningham SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 25 ST. SW Direction N S E W miles from city of _____

Approx. 2490' miles from Junction Mercer County Road # 65 Ave. SW

Section(s) 5 & 8 Township 141 N Range 88W

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation

Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
---	--	---

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
---------------------	--	-----------------



Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before MAY 2017
2/11/16 Date [Signature] Vice President, Land and Right of Way Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016
[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission

ND-ME-039.900
25 ST SW section line

Longitudinal:

Location # _____
Mercer Co Highway # 25 St. SW Lanes of Traffic ~~2~~ 4 Section line
Direction N S EW approx 2490 feet from mile marker (65 AVE SW)
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

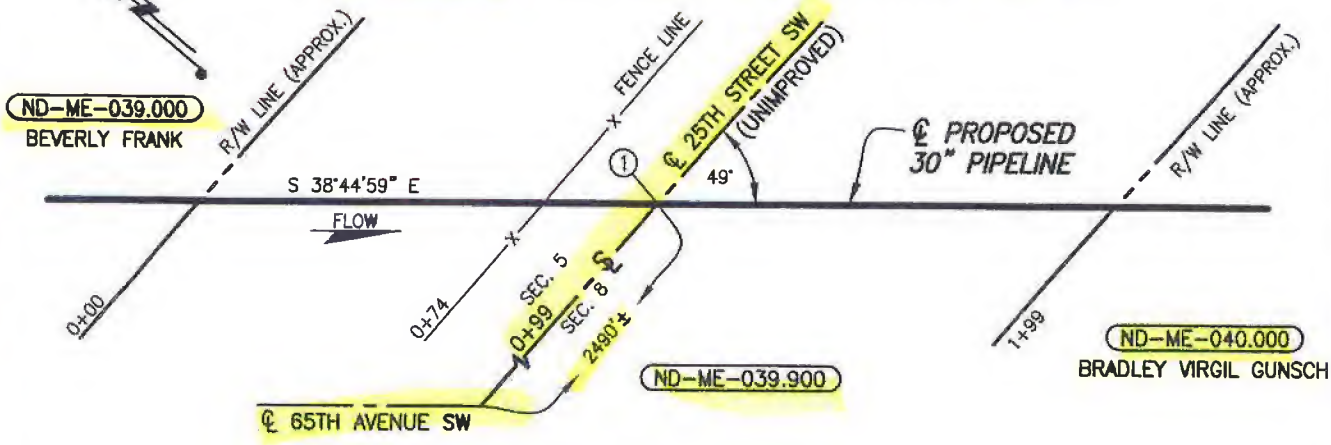
Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

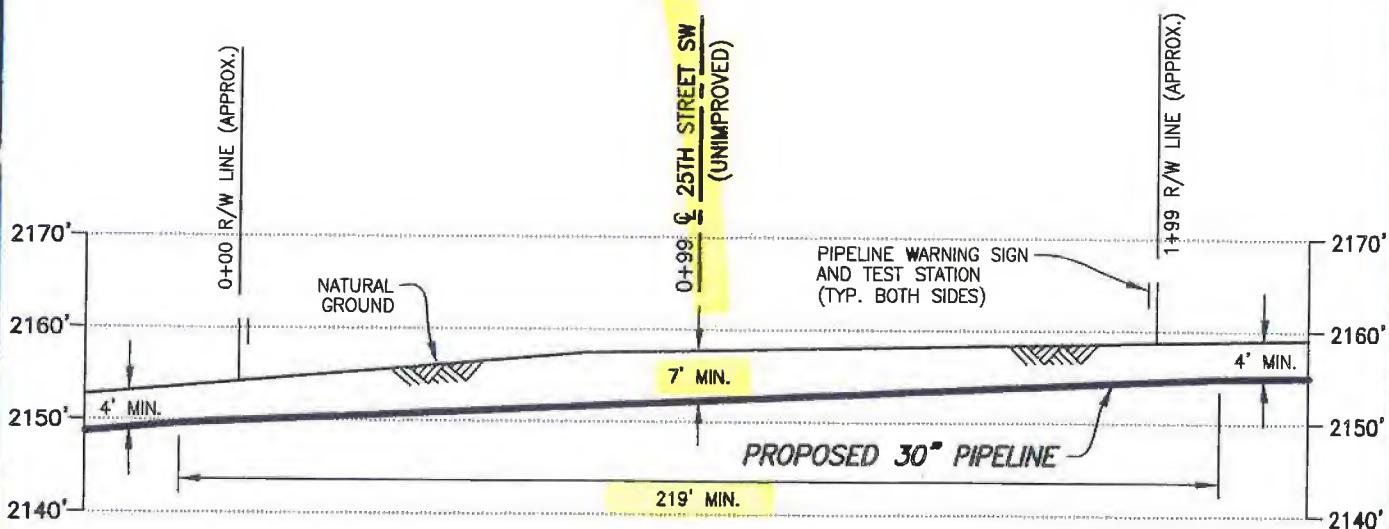
ND-ME-039.900
25 St. SW Section Line

MERCER COUNTY, NORTH DAKOTA

SECTIONS 5 & 8, TOWNSHIP 141 NORTH, RANGE 88 WEST



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=927724.00
Y=17109832.29

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot FENCE LINE
 AT STA. 0+74, ELEV. 2157.43'

FILE: R:\P\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND 39,900.dwg PLOT DATE: 3/2/2015 BY: ANDREWS, CINDY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING
 25TH STREET SW (UNIMPROVED)

MERCER COUNTY NORTH DAKOTA

DRAWN BY: PRV	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-039.900	A
SCALE: AS SHOWN	APP.:		

Utility Occupancy Application and Permit

Permit # 1601 (b)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address Telephone Number

Clare Cunningham SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 64 AVE SW Direction N (S) E W miles from city of _____

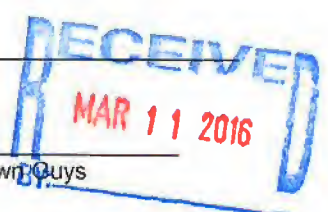
approx or 4075' miles from Junction Mercer County Road # 25 ST SW Section line

Section(s) 8 & 9 Township 141 N Range 88 W

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

O.P.E.W CUT
Description of proposed method of installation



Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
---	--	---

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
---------------------	--	-----------------

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before May 2017

2/11/16
Date

[Signature] Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016.

[Signature]
Road Superintendent

[Signature]
Chairman, Mercer County Commission

ND-ME-041.900
64 ave SW

Longitudinal:

Location # _____
Mercer Co Highway # 64 Ave SW Lanes of Traffic 2 ~~4~~ section line
Direction N (S) E W _____ feet from ~~mile marker~~ 25 st. SW
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

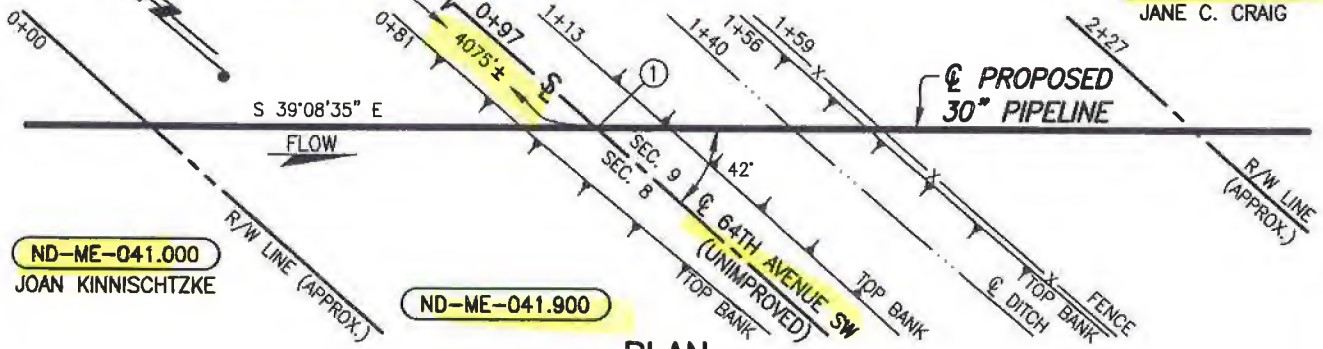
ND-ME-041-900
64 AVE SW

MERCER COUNTY, NORTH DAKOTA

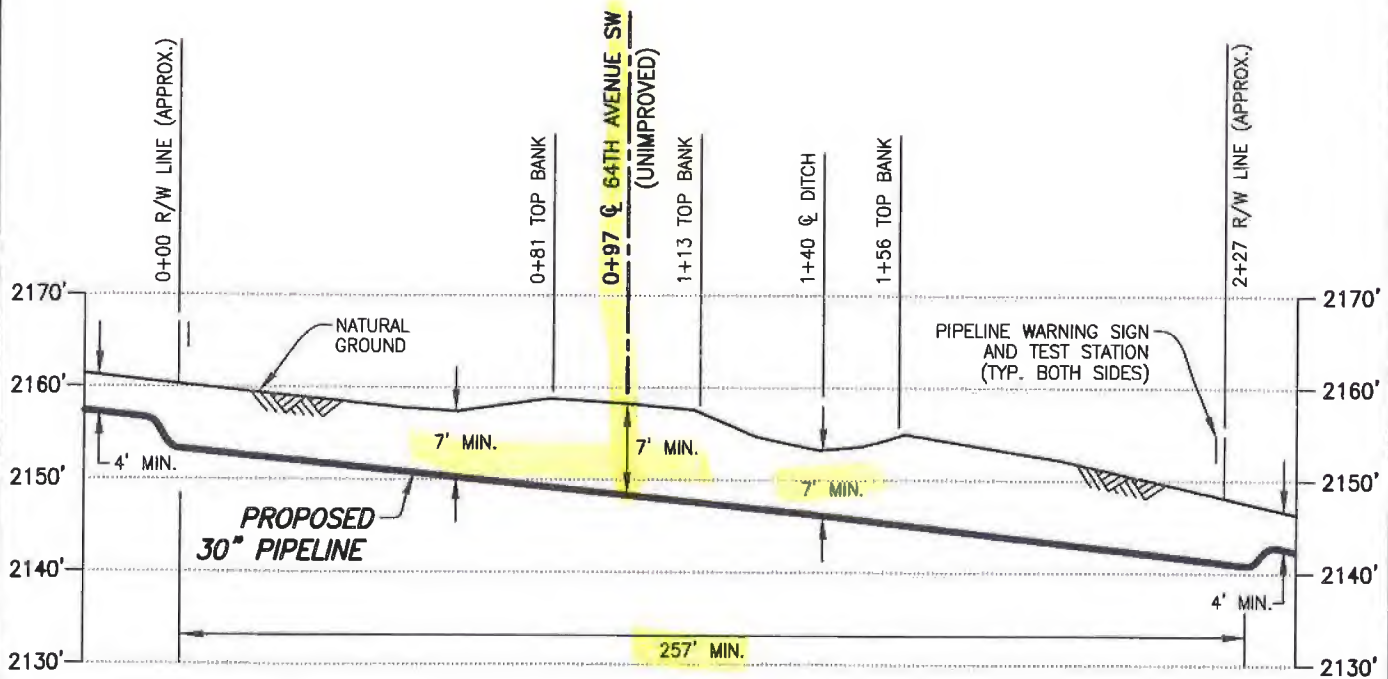
SECTIONS 8 & 9, TOWNSHIP 141 NORTH, RANGE 88 WEST

☉ 25TH STREET SW

ND-ME-042.000
JANE C. CRAIG



PLAN
SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=930428.04
Y=17106486.88

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ☉ TOP BANK AT STA. 0+81, ELEV. 2158.78'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	12/31/15	OP	ISSUED FOR USE/PERMIT	RC
C	10/27/15	JTM	ISSUED FOR USE/PERMIT	RC
B	09/03/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	CHA	ISSUED FOR USE/PERMIT	RC



PROPOSED 30" DAPL PIPELINE CROSSING 64TH AVENUE SW (UNIMPROVED)

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: CHA	DATE: 02/09/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-041.900	D
SCALE: AS SHOWN	APP.:		

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

Utility Occupancy Application and Permit

Permit # 1602 (16)

Applicant Information:

DAKOTA ACCESS, LLC of Houston, Tx 77002
 Owner of Facility City State

1300 MAIN STREET
 Mailing Address Telephone Number

Carrie Cunningham SR. Permits Agent 802.989.2489
 Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 26 ST SW Direction N S (E) W _____ miles from city of _____

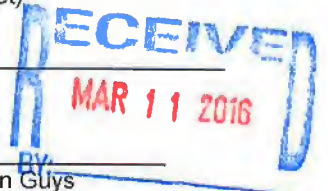
approx - or 1670' miles from Junction Mercer County Road # 64 AVE SW

Section(s) 9 & 16 Township 141 N Range 88 W

Type of Facility:

30" CRUDE OIL PIPELINE
 Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
 Description of proposed method of installation



Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before May 2017 TBP
2/11/16 Date [Signature] Applicant Signature
 Vice President, Land and Right of Way

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April, 2016

[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission

ND-ME 042.900
26 St. SW

Longitudinal:

Location # _____
MERCER Co Highway # 26 ST SW Lanes of Traffic ~~2~~ 4 Section Line
Direction N SEW _____ 1670 feet from mile marker lot Ave SW
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

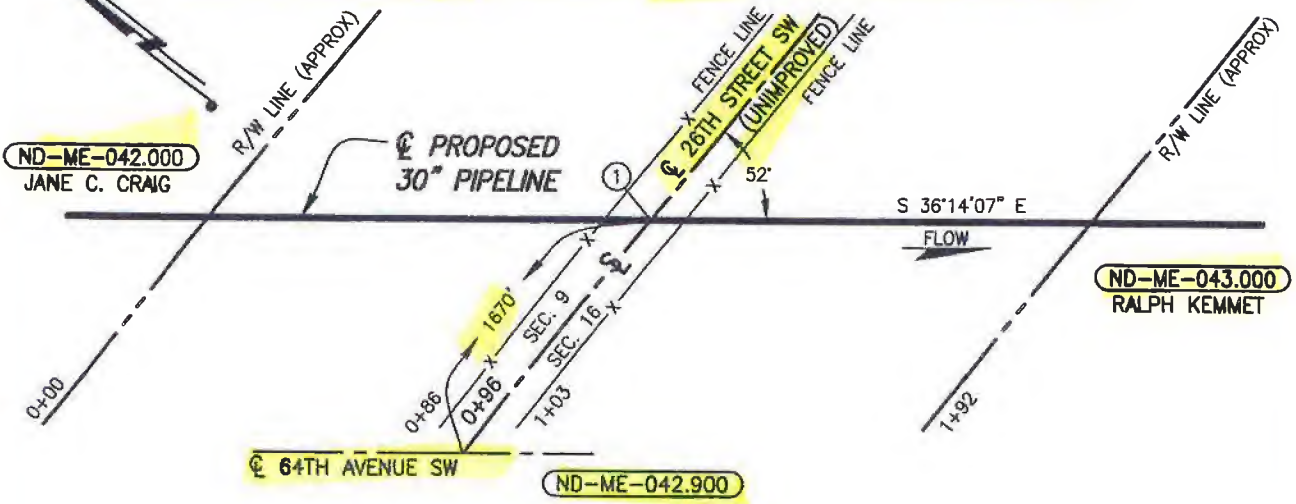
Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

ND-me 042.900
26 ST. SW

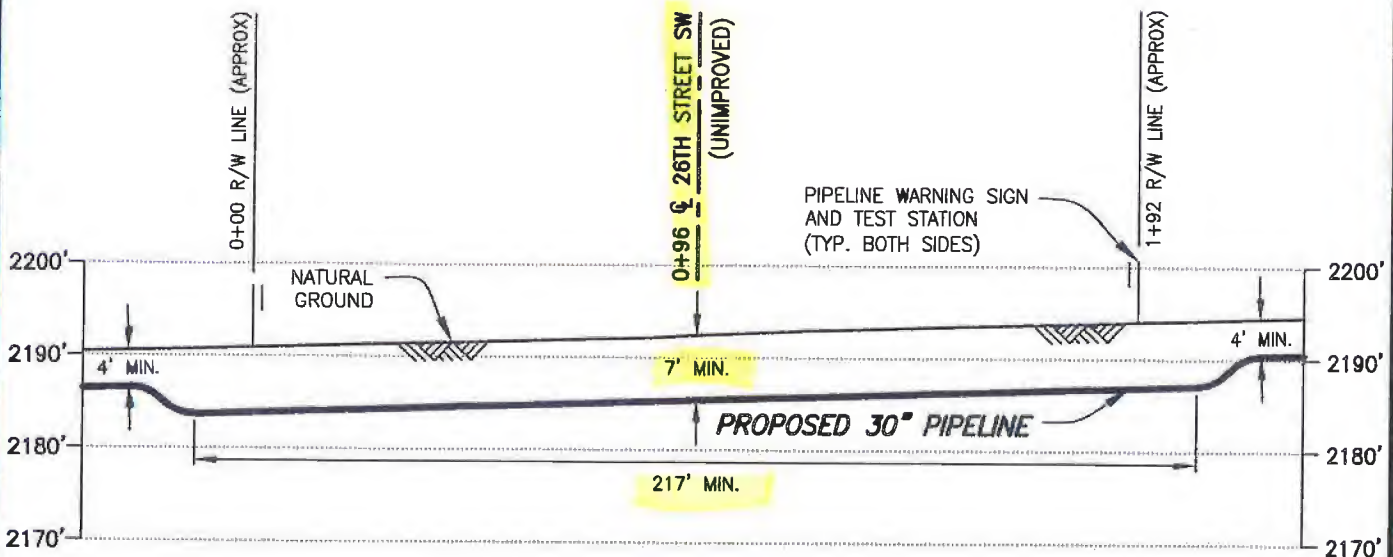
MERCER COUNTY, NORTH DAKOTA

SECTIONS 9 & 16, TOWNSHIP 141 NORTH, RANGE 88 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=932019.69
Y=17104405.76

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot FENCE LINE AT STA. 1+03, ELEV. 2192.39'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	OP	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 26TH STREET SW (UNIMPROVED)

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 02/02/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-042.900	A
SCALE: AS SHOWN	APP.:		

42.900.dwg PLOT DATE: 3/2/2015 BY: HUMBERSON, JEREMY

\\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND

FILE: R:\P

Utility Occupancy Application and Permit

Permit # 1603 (16)

Applicant Information:

DAKOTA ACCESS LLC
Owner of Facility

of Houston
City

TX 77002
State

1300 MAIN STREET
Mailing Address

Telephone Number

Clare Cunningham
Applicant's Agent

SR. Permits Agent
Title

802-989-2489
Telephone Number

Location of Facility:

Mercer County Road # 63 AVE SW Direction N S E W _____ miles from city of _____

approx or 670' miles from Junction Mercer County Road # 27 ST SW

Section(s) 16 & 15 Township 141 N Range 88 W

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation

Size of Facility

Number of Cables

Length of Down Guys

1440 PSIG

N/A

N/A

Pipeline Pressure

Size of Casing

Length of Casing

Location of Pole(s)

Location of Appurtenances
(Vents, Manholes, Valves, etc.)

Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before May 2017 TBD

2/11/16

Date

[Signature]

Applicant Signature

Vice President, Land and Right of Way

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 04 day of April 20 16.

[Signature]
Road Superintendent

[Signature]
Chairman, Mercer County Commission

ND-ME-044.900
603 Ave SW

Longitudinal:

Location # _____
Merces Co. Highway # 63 AVE SW Lanes of Traffic ~~2~~ 4 Section line
Direction (N) S E W approx 670' feet from mile marker 27 ST SW
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

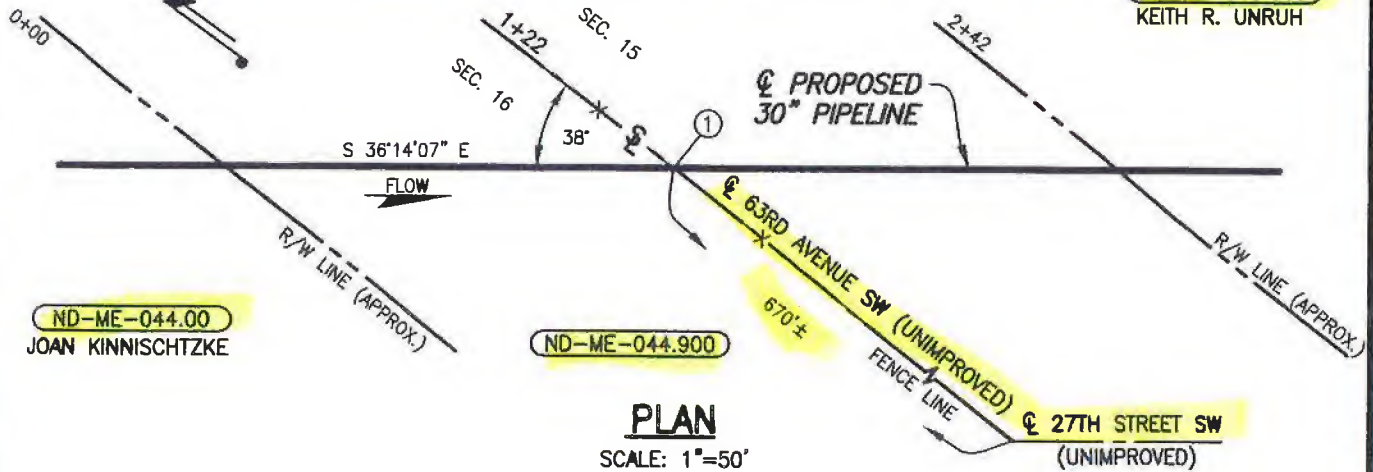
Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

ND-ME 044.906
63 Ave SW

MERCER COUNTY, NORTH DAKOTA

SECTIONS 15 & 16, TOWNSHIP 141 NORTH, RANGE 88 WEST

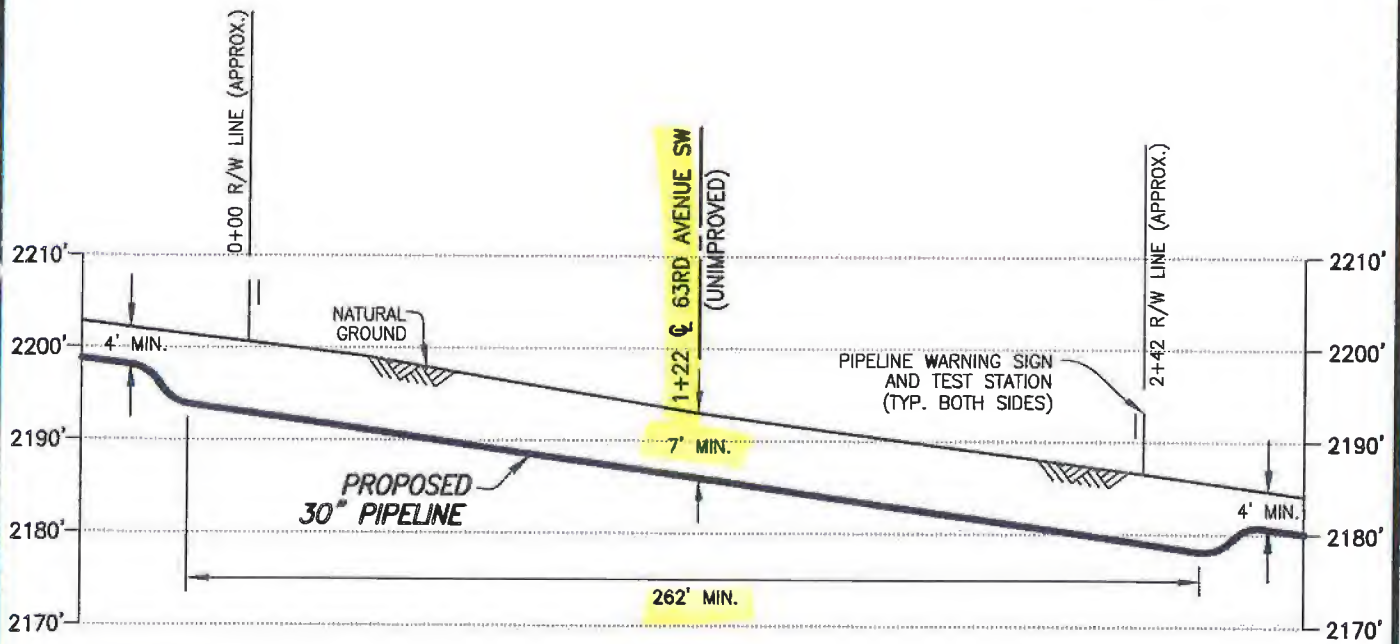
ND-ME-045.000
KEITH R. UNRUH



ND-ME-044.00
JOAN KINNISCHTZKE

ND-ME-044.900

PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=935442.51
Y=17099717.53

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 63RD AVENUE SW (UNIMPROVED) AT STA. 1+22, ELEV. 2193.06'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC



**PROPOSED 30" DAPL PIPELINE CROSSING
63RD AVENUE SW (UNIMPROVED)**

PROJECT NO. **10395700**
WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 01/30/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-044.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\V\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND 44.900.dwg PLOT DATE: 3/2/2015 BY: ANDREWS, CINDY

Utility Occupancy Application and Permit

Permit # 1604 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET Telephone Number
Mailing Address

Clare Cunningham SR. Permits Agent 802-989-2489
Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 27 ST SW Direction N S (E) W miles from city of _____

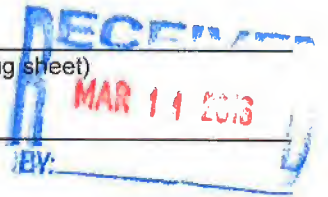
Approx or 540' miles from Junction Mercer County Road # 63 AVE SW (section line)

Section(s) _____ & _____ Township _____ Range _____

Type of Facility:

30" CRUDE OIL PIPELINE
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT
Description of proposed method of installation



Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before May 2017 FBR

2/11/16 Date [Signature] Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 20 16.
Karl Miller Road Superintendent [Signature] Chairman, Mercer County Commission

ND-ME-046.900
27 ST SW

Longitudinal:

Location # _____
Mercer Co Highway # 27 St SW Lanes of Traffic ~~2~~ 4 Section line
Direction N S EW 540' feet from mile marker 103 Ave SW Section line
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

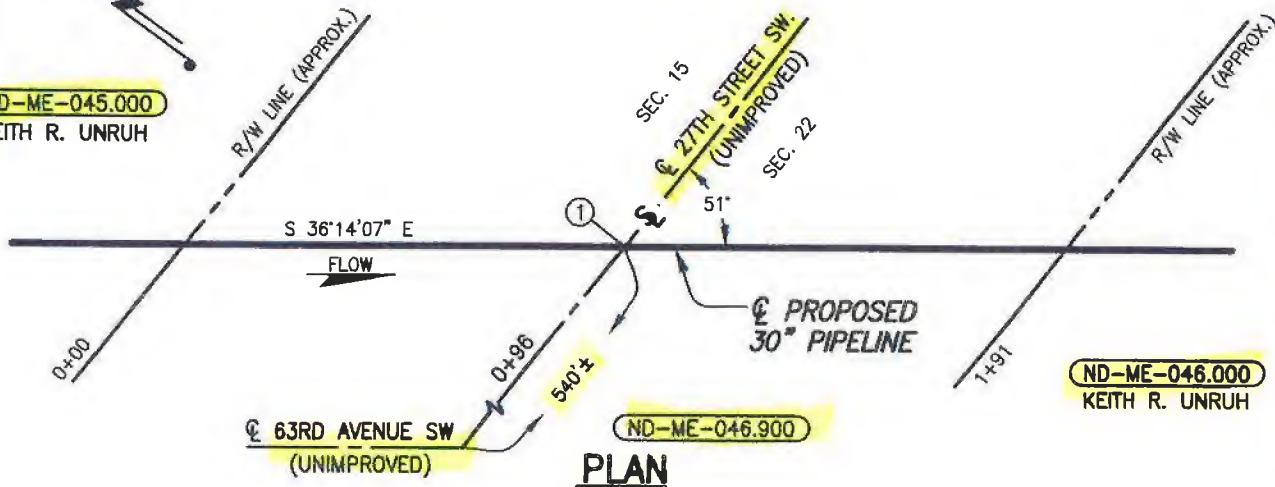
ND-ME 046.900
27 ST. SW

MERCER COUNTY, NORTH DAKOTA

SECTIONS 15 & 22, TOWNSHIP 141 NORTH, RANGE 88 WEST

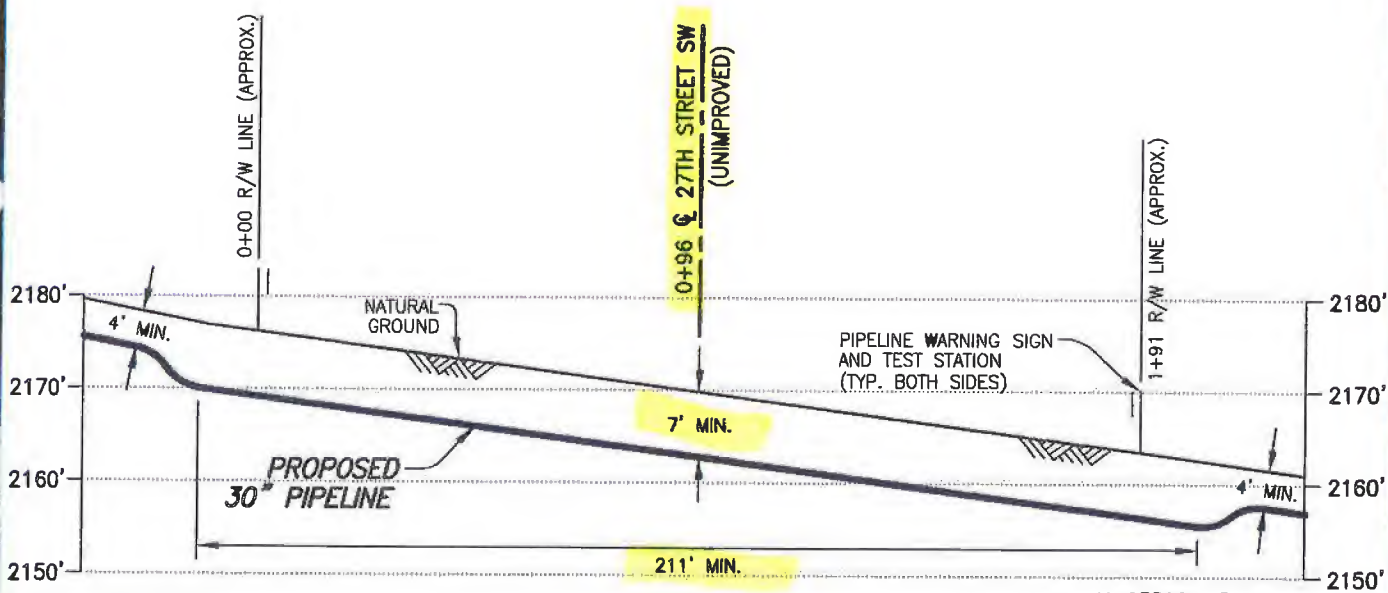
ND-ME-045.000
KEITH R. UNRUH

ND-ME-046.000
KEITH R. UNRUH



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=935989.15
Y=1709899.21

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 27TH STREET SW (UNIMPROVED) AT STA. 0+96, ELEV. 2169.85'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 27TH STREET SW (UNIMPROVED)

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 02/02/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-046.900	A
SCALE: AS SHOWN	APP.:		

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\P\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-PB-ND 46.900.dwg PLOT DATE: 2/28/2015 BY: ANDREWS, CINDY

Utility Occupancy Application and Permit

Permit # 1605 (16)

Applicant Information:

DAKOTA ACCESS, LLC of Houston, Tx 77002
Owner of Facility City State

1300 Main STREET Telephone Number
Mailing Address

CLAIRE CANNINGHAM SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 14 Direction N S E (W) miles from city of _____

Approx or 5845' miles from Junction Mercer County Road # MD 49

Section(s) 22 & 27 Township 14 N Range 8 W

Type of Facility:

30" CRUDE oil pipeline

Description of proposed facility (include drawings/sketches/staking sheet)

BORE

Description of proposed method of installation

Size of Facility
1440 PSI G
Pipeline Pressure

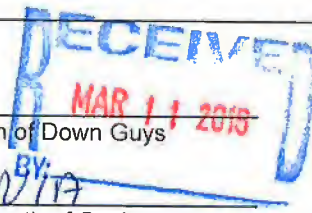
Number of Cables
N/A
Size of Casing

Length of Down Guys
N/A
Length of Casing

Location of Pole(s)

Location of Appurtenances
(Vents, Manholes, Valves, etc.)

Location-Others



Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before May 2017

2/11/16
Date

Vice President, Land and Right of Way
Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016.

Kemp Smith
Road Superintendent

[Signature]
Chairman, Mercer County Commission

ND-ME - 049.900
CR 14

Longitudinal:

Location # _____
Merced Co Highway # CR 14 Lanes of Traffic 2 4
Direction N S E W (W) 5845 feet from mile marker ND 49
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

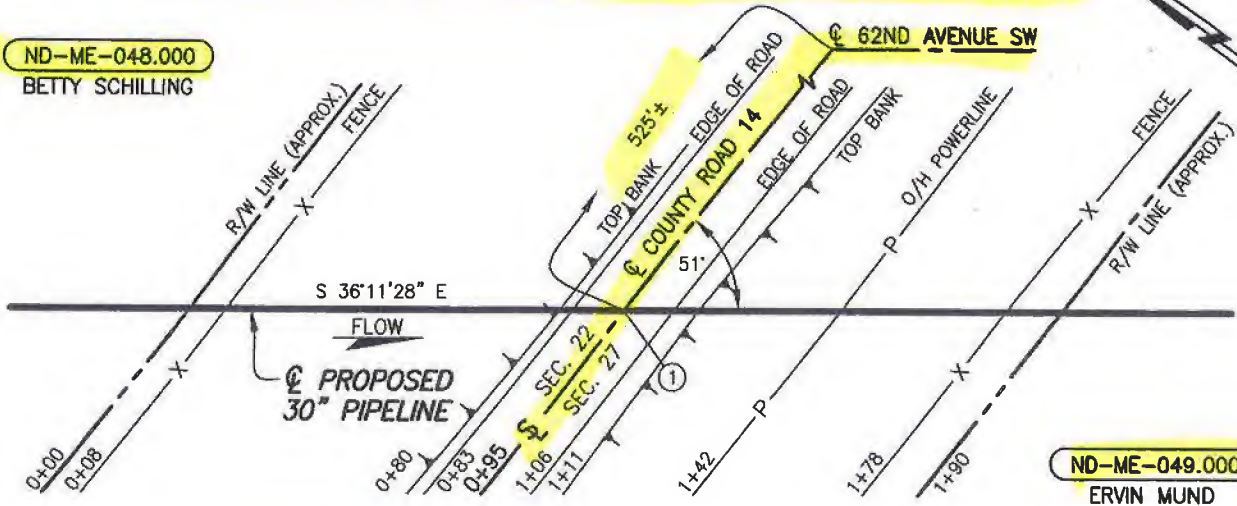
Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

ND-ME-049.900
CR #14

MERCER COUNTY, NORTH DAKOTA

SECTIONS 22 & 27, TOWNSHIP 141 NORTH, RANGE 88 WEST

ND-ME-048.000
BETTY SCHILLING

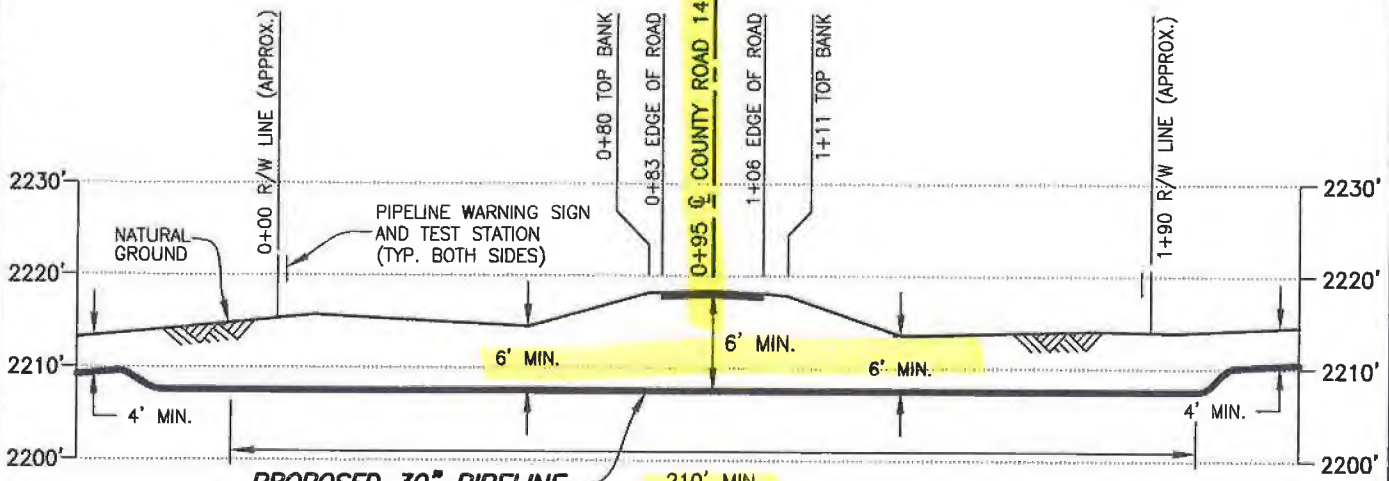


ND-ME-049.000
ERVIN MUND

ND-ME-049.900

PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS

PROPOSED 30" PIPELINE

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=939954.43
Y=17093570.57

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot COUNTY ROAD 14
 AT STA. 0+95, ELEV. 2218.40'

C	01/06/15	JTM	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.



PROPOSED 30" DAPL PIPELINE CROSSING COUNTY ROAD 14 (28TH STREET SW)

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 12/04/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-049.900	C
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROJECT NO. **10395700**

.900.dwg PLOT DATE: 1/6/2016 BY: MADAMBA, JOEY

03957.DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-M

FILE: R:\Proj

Approved
8/2/16
MERCER COUNTY

MERCER COUNTY HIGHWAY DEPARTMENT DRIVE PERMIT

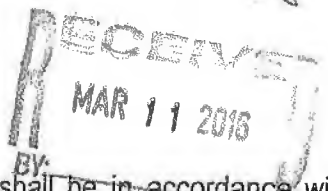
Permit No. 072(16) + 073(16)

APPLICANT <u>DAKOTA ACCESS, LLC</u>	ADDRESS <u>1300 MAIN STREET</u>	
CITY <u>Houston</u>	STATE <u>TX</u>	ZIP <u>77002</u>

The Applicant requests permission to construct 2 ^{Temporary} private-commercial drive(s) on the County roadway right of way along the W/S side of County route # 14, 5845' from ND 49 _{direction} location ND 49 _{Town, Highway, Junction} described as follows:

(Description of proposed work on county right of way and type of business served)

Temporary access for construction of a 30" crude oil pipeline



Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

To be signed by Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer. (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

MERCER COUNTY HIGHWAY DEPARTMENT

APPLICANT:

Ken J. Miller

NAME (TYPE OR PRINT)

COUNTY ENGINEER (TYPE OR PRINT)

Robert Rose

Ken J. Miller

SIGNATURE

SIGNATURE

[Signature]

06 April 16

TITLE

DATE

Vice President, Land and Right of Way

DATE

1/28/16

Construction to be completed

Permit Granted: - 06 April, 2016

by: Suman 2016, 20



ND-ME-049.900
CR # 14

Utility Occupancy Application and Permit

Permit # 1606(16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET Telephone Number
Mailing Address

Claire Cunningham SR. Permits Agent 802.989.2489
Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 62 AVE SW Direction N SE W miles from city of _____

approx or 685' miles from Junction Mercer County Road # 14

Section(s) 27 & 26 Township 14N Range 88W

Type of Facility:

30" CRUDE OIL PIPELINE

Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT

Description of proposed method of installation

Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
---	--	---

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
---------------------	--	-----------------



Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):
- H. Installation shall be completed on or before May 2017 TBD

2/11/16 Date [Signature] Vice President, Land and Right of Way Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016
[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission

ND-ME-050.900
62 ave SW

Longitudinal:

Location # _____
Mercer Co Highway # 62 Ave SW Lanes of Traffic 2 ~~4~~ section line
Direction N ~~S~~ E ~~W~~ approx 685' feet from mile marker CR #14
Direction N ~~S~~ E ~~W~~ _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N ~~S~~ E ~~W~~ _____ feet from mile marker _____
Direction N ~~S~~ E ~~W~~ _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N ~~S~~ E ~~W~~ _____ feet from mile marker _____
Direction N ~~S~~ E ~~W~~ _____ miles from city of _____
or _____ miles from junction highway # _____

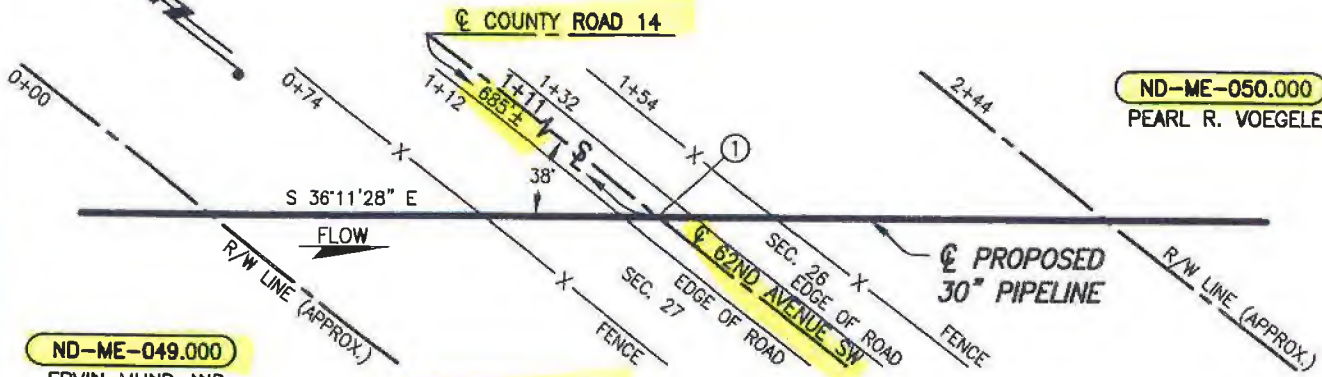
Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N ~~S~~ E ~~W~~ _____ feet from mile marker _____
Direction N ~~S~~ E ~~W~~ _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

ND-ME-050900
62 Ave SW

MERCER COUNTY, NORTH DAKOTA

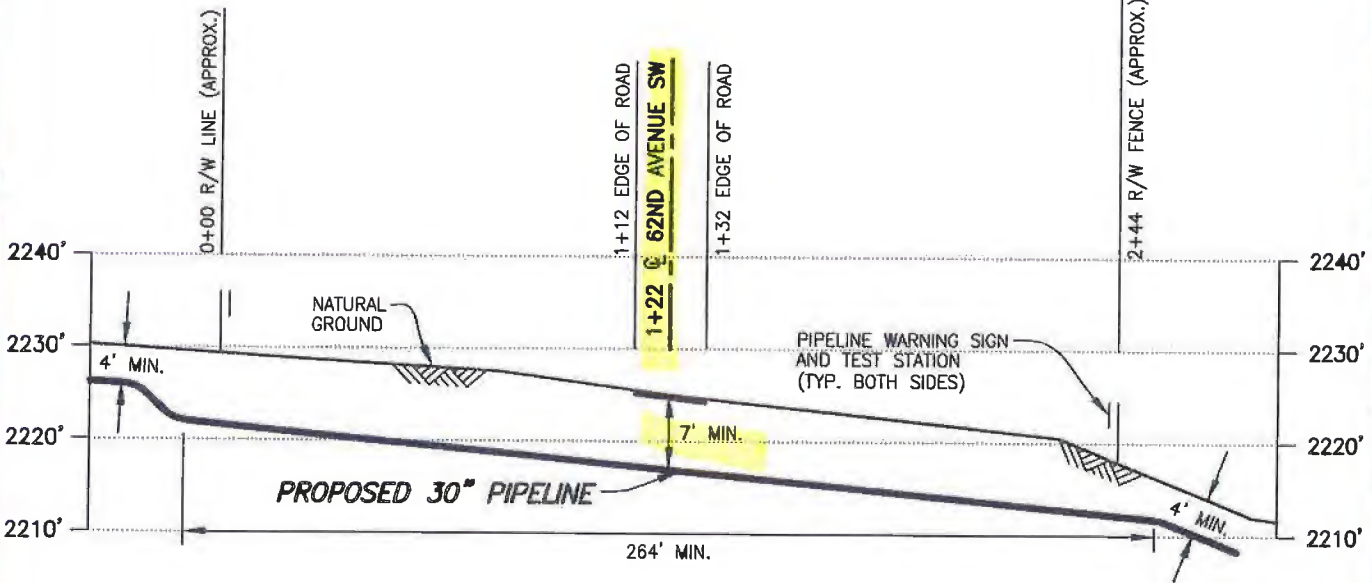
SECTIONS 26 & 27, TOWNSHIP 144 NORTH, RANGE 88 WEST



ND-ME-049.000
 ERVIN MUND AND
 JERRY VOEGELE

ND-ME-050.000
 PEARL R. VOEGELE

ND-ME-050.900 **PLAN**
 SCALE: 1"=50'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
 SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X: 940472.97
 Y: 17092862.01
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 62ND AVENUE SW
 AT STA. 1+22, ELEV. 2225.03'

REV.	DATE	BY	DESCRIPTION	CHK.
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.

DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 62ND AVENUE SW**

MERCER COUNTY NORTH DAKOTA

DRAWN BY: PRV	DATE: 12/05/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-050.900	B
SCALE: AS SHOWN	APP.:		

0.900.dwg PLOT DATE: 2/28/2015 BY: ANDREWS, CINDY
 103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-

Utility Occupancy Application and Permit

Permit # 1607 (16)

Applicant Information:

DAKOTA ACCESS LLC of Houston, Tx 77002
Owner of Facility City State

1300 MAIN STREET
Mailing Address Telephone Number

Clare Cunningham SR. Permits Agent 802-989-2489
Applicant's Agent Title Telephone Number

Location of Facility:

Mercer County Road # 29 ST SW Direction N S E W miles from city of _____

approx or 1920' miles from Junction Mercer County Road # ND 49

Section(s) 26 & 35 Township 141 N Range 88 W

Type of Facility:

30" CRUDE OIL PIPELINE

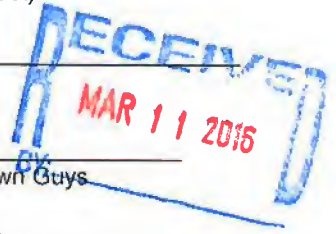
Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT

Description of proposed method of installation

Size of Facility <u>1440 PSIG</u> Pipeline Pressure	Number of Cables <u>N/A</u> Size of Casing	Length of Down Guys <u>N/A</u> Length of Casing
---	--	---

Location of Pole(s)	Location of Appurtenances (Vents, Manholes, Valves, etc.)	Location-Others
---------------------	--	-----------------



Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
- B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the Mercer County Road Superintendent.
- C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway. Applicant shall hold Mercer County and any of its employees harmless for injury to persons or damage to property resulting from the location of said facilities on highway right of way.
- D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
- E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
- F. Containment of Weeds until permanent grass has been established.
- G. Additional installation & maintenance requirements are as follows (if applicable):

H. Installation shall be completed on or before May 2017

2/11/16 Date [Signature] Vice President, Land and Right of Way Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016

[Signature] Road Superintendent [Signature] Chairman, Mercer County Commission
ND-ME-053.900
29 ST SW

Longitudinal:

Location # _____
Mercer Co Highway # 29 ST SW Lanes of Traffic ~~2~~ 4 section line
Direction N S E W 1920 feet from mile marker ND 49
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

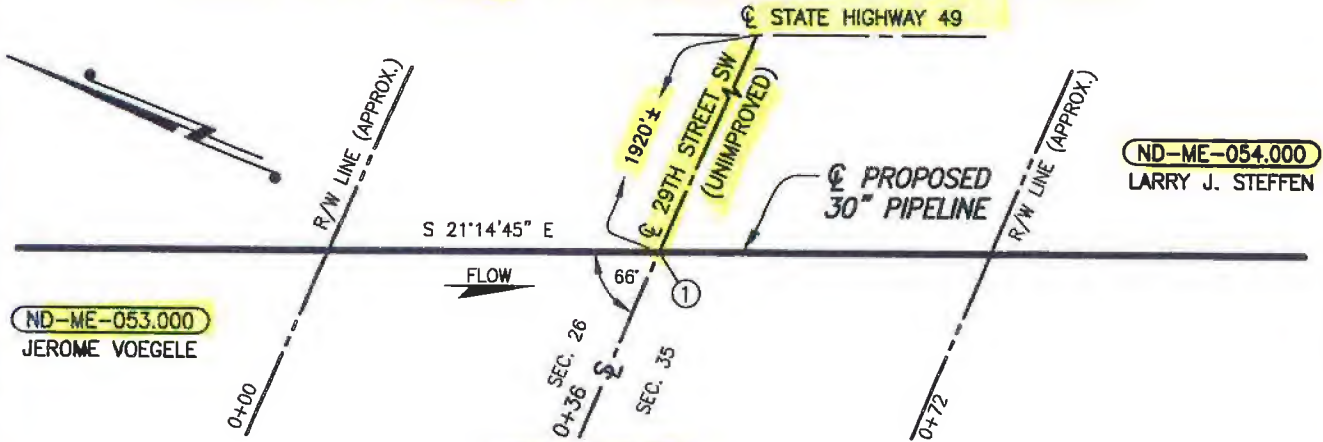
Location # _____
_____ Highway # _____ Lanes of Traffic 2 4
Direction N S E W _____ feet from mile marker _____
Direction N S E W _____ miles from city of _____
or _____ miles from junction highway # _____

Interstate Highways (applicant's description of the proposed method of ingress and egress to each work location).

ND-ME-053900
29 ST. SW

MERCER COUNTY, NORTH DAKOTA

SECTIONS 26 & 35, TOWNSHIP 141 NORTH, RANGE 88 WEST



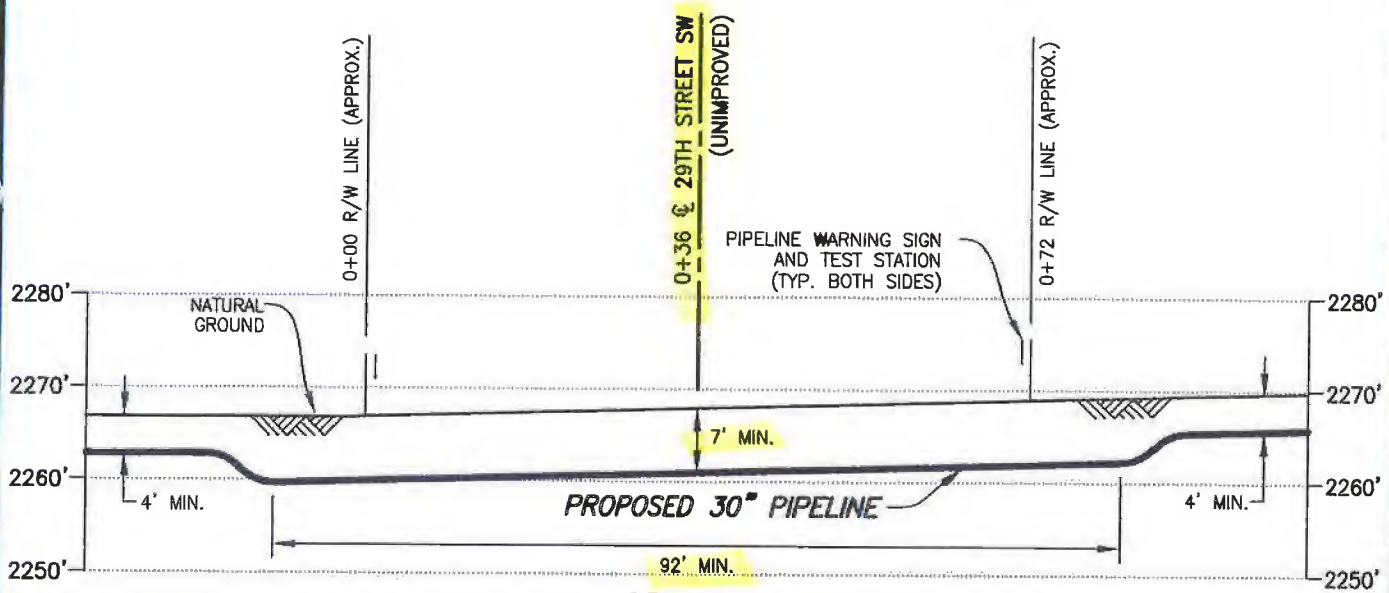
ND-ME-054.000
LARRY J. STEFFEN

ND-ME-053.000
JEROME VOEGELE

ND-ME-053.900

PLAN

SCALE: 1"=20'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=20' HORIZ.
 1"=20' VERT.

① X=942765.07
 Y=17088190.84

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 29TH STREET SW
 AT STA. 0+36, ELEV. 2267.94'

FILE: R:\P\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND 5.3.900.dwg PLOT DATE: 2/28/2015 BY: ANDREWS, CINDY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 29TH STREET SW (UNIMPROVED)

MERCER COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 02/2/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-053.900	A
SCALE: AS SHOWN	APP.:		

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design Division
SFN 7995 (Rev. 11-2012)

CRA# 65160386

Document Number 16023	(FOR STATE USE ONLY)	Permit Number 52603
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APPLICANT INFORMATION

Prepared Company Name CONTRACT LAND STAFF		Prepared by CLAIRE CUNNINGHAM	
Owner of Facility DAKOTA ACCESS, LLC	City HOUSTON	State TX	Zip Code 77002
Mailing Address 1300 MAIN STREET			Telephone Number
Owner's Agent Claire Cunningham	City 1100 Weiss Ave Bismarck	State ND	Zip Code 58503
Owner's Contractor	City	State	Telephone Number 702-989-2489

TYPE OF FACILITY (Complete appropriate spaces only.)

Description of Proposed Facility crude oil pipeline - cathodically protected		
Size of Facility 30" Steel	Number of Cables	Length of Down Guys
Pipeline Pressure MOP 1440 psig	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

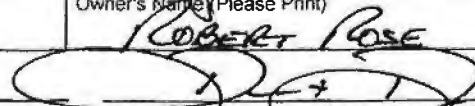
TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer.
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, maintaining, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2004 Class II height visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (E) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The Owner, for him or herself, his or her personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination, (3) that the Owner shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

That in the event of breach of any of the above nondiscrimination covenants, the NDDOT shall have the right to terminate this Permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said Permit had never been made or issued.

**The Act governs race, color, and national origin. Related Nondiscrimination Authorities govern sex, 23 U.S.C. 324; age, 42 U.S.C. 6101; disability/handicap, 29 U.S.C. 790; and low income, E.O. 12898.

(I) The installation shall be completed on or before May 1, 2017

Company Name DAKOTA ACCESS, LLC	Owner's Name (Please Print) ROBERT ROSE
DATE 1/29/16	OWNER'S SIGNATURE 

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto and made a part hereof. Approved by NDDOT this 18th day of March, 2016.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

Leatrice Gough
DISTRICT ENGINEER (TYPE OR PRINT)
Leatrice Gough
SIGNATURE

ND-ME-055.900
SH 49

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point 82.9053 End Ref. Point 82.9053

Highway No. 49 Along or Across Lanes of traffic 2 4

Direction N S E W Begin 4780' feet from reference marker 82

Direction N S E W End 500' feet from reference marker 83

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

INTERSTATE HIGHWAYS - Applicant's description of the proposed method of ingress and egress to and from interstate right of way, as attached to the plan.

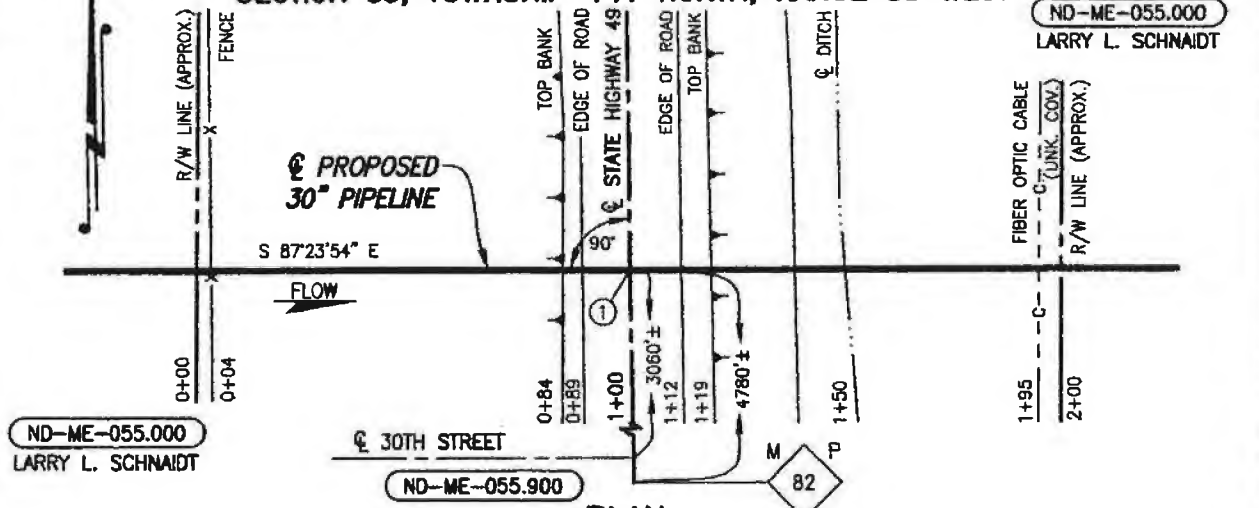
ND-ME-055.900
SH 49

FILE: V:\enging.com\gbl\HOU\Pipeline\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\1 DAKOTA\MERCER COUNTY\103957-P8-ND-ME-055.900.dwg PLOT DATE: 10/30/2015 JALLEM, MKK

MERCER COUNTY, NORTH DAKOTA

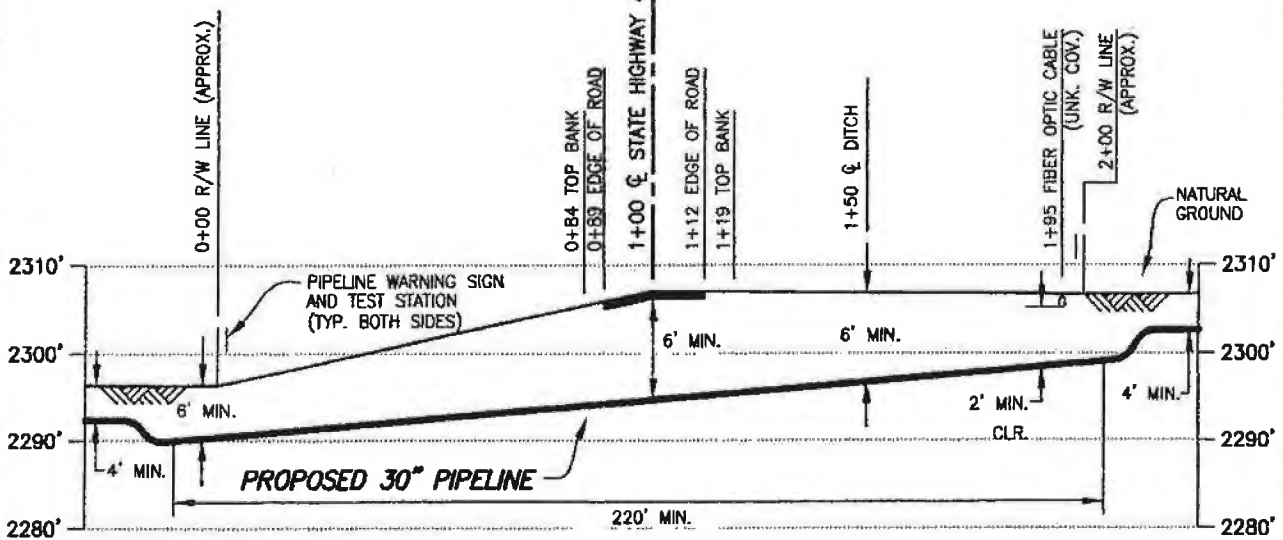
SECTION 35, TOWNSHIP 141 NORTH, RANGE 88 WEST

ND-ME-055.000
LARRY L. SCHNAIDT



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=943838.27
Y=17085935.47

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ϕ STATE HIGHWAY 49 AT STA. 1+00, ELEV. 2307.19'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	10/30/15	MM	ISSUED FOR USE/PERMIT	RC
C	10/20/15	OP	ISSUED FOR USE/PERMIT	RC
B	09/03/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	CHA	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING STATE HIGHWAY 49

PROJECT NO. 10395700

MERCER COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: CHA	DATE: 12/22/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-055.900	D
SCALE: AS SHOWN	APP.:		



ND-ME-055.900

TRD 49

CLS LINK GIS Viewer



Contract

1

**Suggested Utility Conditions for Oil/Gas Along and/or Across
Primary and Secondary Highways**

April 1, 2003

NOTICE: The Recipient must comply with ALL applicable Federal, State and local laws, rules, regulations, codes, ordinances, etc., including, but not limited to North Dakota Century Code, Chapter 49-23. (ONE-CALL EXCAVATION NOTICE SYSTEM)

1. **INSTALLATION AND MAINTENANCE:** Installation and maintenance of said facilities on highway right of way shall conform to the following provisions:
2. Within thirty (30) days after construction, maintenance, relocation, or removal of said facilities, any right of way scars shall be removed and disturbed areas restored to original condition. Excess topsoil shall be removed prior to excavation and stockpiled until all disturbed areas are restored to original grade. The stockpiled topsoil shall be evenly and smoothly replaced over the areas disturbed by the trenches or pits.
3. Vehicles and other work equipment used to install or maintain said facilities within highway right of way shall, where possible, use established access points, service roads, driveways and approaches to enter or leave the outer portion of the right of way for the performance of necessary work operations. Such vehicles and work equipment shall not be parked on the through-traffic lanes or shoulders of the highway during installation or maintenance of said facilities.
4. Protection to the free and safe flow of the highway traffic shall be as required in accordance with the "Manual on Uniform Traffic Control Devices", current edition.
5. [REDACTED]
6. The Department of Transportation may not be the total fee owner and does not warrant the title to the highway right of way covered by the terms of this permit. The Recipient shall be responsible for reviewing the public records to determine ownerships and any encumbrances to the title of the properties covered by the terms of this permit.
7. For highway crossings, the buried telephone wire or cable shall be installed under the surfaced sections by boring or jacking pipe through the roadbed between the clear zone limits. Wet boring or jetting of the pipe under the roadway is not permissible.
8. Trenches and pits opened within the right of way shall be cut to O.S.H.A. Standards and shall be of minimum width necessary to accommodate installation of said facilities. Open trenches and pits shall be barricaded if left unattended.
9. Trenches and pits opened within the right of way shall be backfilled with the same material originally in place, compacted to a density equal to that of the adjacent undisturbed soil and restored to the original grade. The backfill shall be tamped in layers not exceeding six (6) inches in compacted thickness. Consolidation of the backfill by saturation or ponding is not permissible.
12. The pipeline shall have a minimum of thirty-six (36) inches of cover within highway right of way.
15. On longitudinal installations, where the buried cable or pipe is installed by plowing, the plowed ridges shall be mechanically compacted and made flush with the original ground.

- 20. Casing pipe, when installed, shall extend a minimum of two (2) feet beyond the toe of the highway inslopes. The casing pipe shall be sealed at both ends to prevent formation of a waterway through the casing.
- 24. The diameter of the hole for bored or jacked installations shall not exceed by more than one (1) inch the outside diameter of the facility. Oversized bores, overbreaks, and unsealed holes shall be backfilled with grout.
- 25. The location of the pipeline crossing shall be indicated by a marker post installed on each side of the highway at the right of way line. An identification sign shall be attached to one of the marker posts showing the name, address, and telephone number of the Recipient.
- 26. The Department of Transportation shall be notified in advance of any proposed change in the type of transmittant carried by the pipeline, or any increase in the maximum working pressure specified in the application for the permit.
- 28. Marker posts shall be installed at the highway right of way line at intervals not to exceed 1,000 feet. An identification sign shall be attached to one of the marker posts and shall show the name, address, telephone number, and location of the pipeline.
- 48. The casing pipe shall be continuous and shall extend a minimum of two (2) feet beyond the clear zone or two (2) feet beyond the toes of outer inslopes of the highway, whichever is further from the highway center line. The casing pipe shall be adequately sealed at both ends with suitable material that will prevent the formation of a waterway.
- 55. Casing is not required if approved extra wall thickness pipe is installed.

the contractor shall indemnify, defend, hold harmless, the State of Utah, its agencies, and its employees from and against all claims, damages, losses, costs, expenses, and attorney's fees, which may in any manner arise out of or result from this project.



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Old Republic Insurance Company	24147
INSURED 1389319 DAKOTA ACCESS, LLC 1300 MAIN STREET HOUSTON, TX 77002	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES CERTIFICATE NUMBER: 13887652 REVISION NUMBER: XXXXXXXX

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INSR LTR	TYPE OF INSURANCE	ADOL INSD	SUBR WVB	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COM/OP AGG \$ 10,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER

CANCELLATION See Attachment

13887652

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
 608 EAST BOULEVARD AVE.
 BISMARCK ND 58505-0700

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09



All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

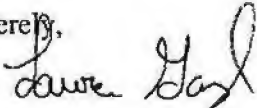
Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,



Joel M. Witt **LAWRENCE CANCL**
Williston District Engineer
DICKINSON

UTILITY OCCUPANCY APPLICATION AND PERMIT

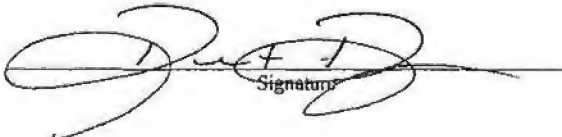
Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/16

Robert Rose

Vice President, Land and Right of Way

Type or Print Name & Title



Signature

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation, Maintenance Division
SFN 5918 (Rev. 06-2015)

Permit Number 1603 ^{CAN #651120388}

District Number 05

TEMPORARY ONLY

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET	City HOUSTON	State TX	ZIP Code 77002

Driveway Information on State Highway Right of Way

Number of Driveways 2 Temp	<input checked="" type="checkbox"/> Pipeline Construction <input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W side of Route 49
Location approx 4780' north of MP 82 on SH 49		
Town	Highway SH 49	Mile Marker Number 82.90E31

Description of proposed work on state right of way and type of business served.
Temporary access drives on both sides of SH 49 for pipe line construction

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

APPLICANT:

NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

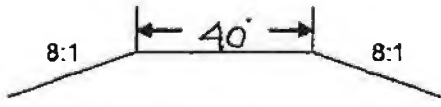
ROBERT ROSE
Name (Type or Print)
[Signature]
Signature
Vice President, Land and Right of Way
Title
1/29/16
Date

Lawrence Gungl
District Engineer (Type or Print)
[Signature]
Signature
3/18/16
Date

Permit granted:
3/18/16
Date

Construction shall be completed by:
10/1/16
Date

Sketch:



(Original to District File, copy to Applicant)

ND-ME -055.900
SH 49

DRIVEWAY PERMIT SPECIFICATIONS

1. The total cost of all construction and maintenance of the work specified shall be borne by the Applicant, his grantees, successors, and assigns: except that the state will maintain the shoulder of the roadway.
2. The applicant shall be required to wear an ANSI/ISEA 107-2004 Class II high visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
3. It is understood by the Applicant that the state does not assume any responsibility for the removal or clearance of snow, ice, or sleet, or the opening of windrows of such materials, upon any portion of the driveway even though snow, ice, or sleet is deposited or windrowed on said drive by its authorized representative engaged in normal winter maintenance operation.
4. No driveway shall be considered as completed until checked and approved by NDDOT. Surfacing may be omitted on field entrances if so specified in the application.
5. A driveway, as referred to in this permit, shall be the traveled area between the highway roadway surface and the adjacent right-of-way line. Said driveway shall be used only for the purpose of providing entrance to and exit from the Applicant's property.
6. No driveway, or improvement constructed on the highway right-of-way shall be altered or relocated without permission of the district engineer of NDDOT.
7. The Applicant agrees to perform all work in accordance with this permit, and to indemnify and hold harmless NDDOT, its officers, and employees from any and all liability, judgments, costs, expenses, and claims growing out of damages, or alleged damages, of any nature whatsoever, to any person or property arising out of performance or nonperformance of said work, or the existence of said driveways.
8. It is understood by the Applicant that the location, construction, and maintenance of driveways are under the supervision of NDDOT at all times, and that in granting this permit NDDOT waives none of its powers or rights to direct the removal, relocation, or proper maintenance in the future of any driveways within the right of way of the state highway.
9. The granting of this permit does not vest the Applicant with the exclusive use of the driveway. NDDOT retains the right to diminish and expand the use of the driveway as required in the interest of the safety of highway traffic.
10. Wetland: The applicant shall certify that no wetlands will be impacted by the installation of the driveway. If wetlands are impacted, the applicant shall coordinate with the US Army Corps of Engineers (USACE), North Dakota Regulatory Office to determine if a permit is required or mitigation is needed. Certification of avoidance, a wetland delineation, or a permit (if required) from the USACE shall be attached to the application.
11. The Applicant, for him or herself, his or her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that 1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, 2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, 3) that the Applicant will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities set forth in this Assurance.
12. That in the event of breach of any of the above non-discrimination covenants, NDDOT will have the right to terminate this Permit and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said Permit had never been made or issued.
13. Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
14. District Engineer to provide copy of approved permit to NDDOT, Planning and Asset Management, Pavement Management Division.

JALLEM, MK

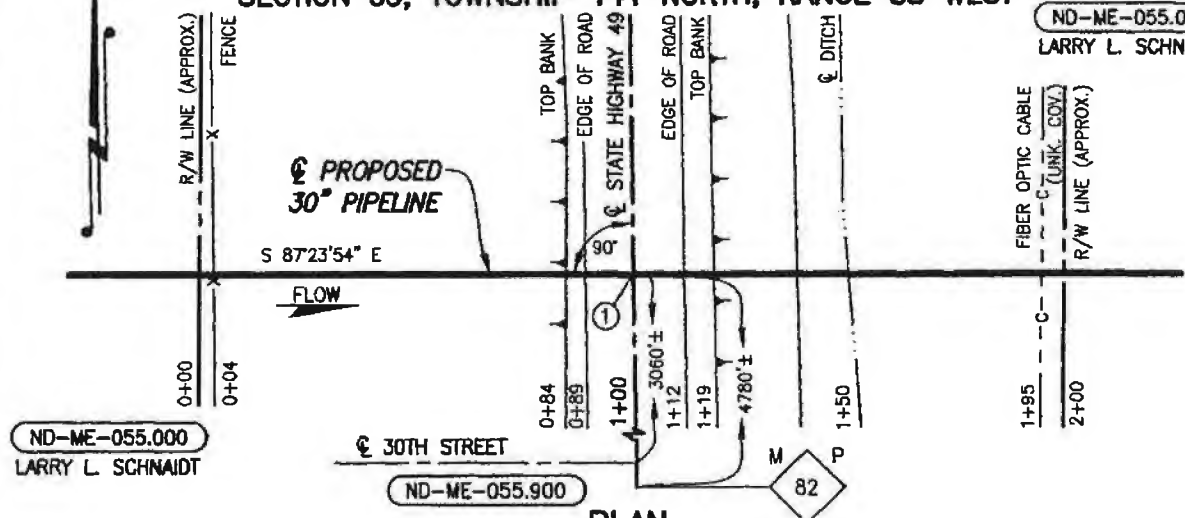
1 DAKOTA\MERCER COUNTY\103957-P8-ND-ME-055.900.dwg PLOT DATE: 10/30/2015

angeng.com\gibi\HOU\Pipeline\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT

MERCER COUNTY, NORTH DAKOTA

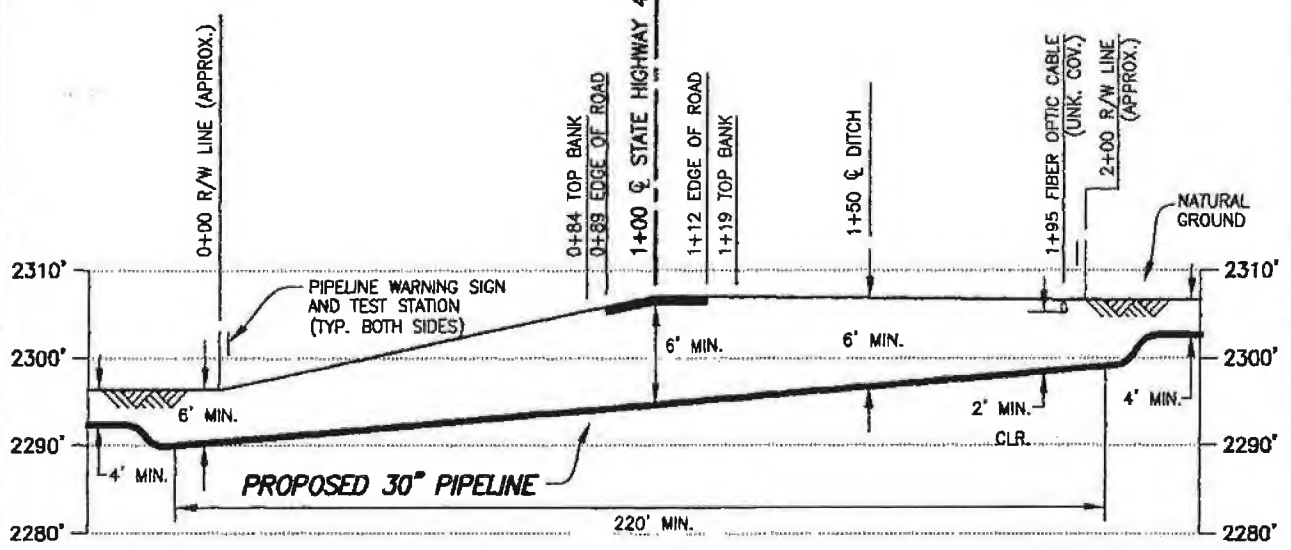
SECTION 35, TOWNSHIP 141 NORTH, RANGE 88 WEST

ND-ME-055.000
LARRY L. SCHNAIDT



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=943838.27
Y=17085935.47

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot STATE HIGHWAY 49 AT STA. 1+00, ELEV. 2307.19'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

D	10/30/15	MM	ISSUED FOR USE/PERMIT	RC
C	10/20/15	OP	ISSUED FOR USE/PERMIT	RC
B	08/03/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	CHA	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.



PROPOSED 30" DAPL PIPELINE CROSSING STATE HIGHWAY 49

PROJECT NO. 10395700

MERCER COUNTY NORTH DAKOTA



DRAWN BY: CHA	DATE: 12/22/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-ME-055.900	D
SCALE: AS SHOWN	APP.:		

Urlacher, Belinda J.

From: Christensen, Robert C.
Sent: Thursday, March 24, 2016 8:27 AM
To: Urlacher, Belinda J.
Subject: RE: New Approaches

Belinda,

I spoke to the NDSHPO and to the Dakota Access Pipeline environmental lead and all of the Dakota Access Pipeline temporary approaches have been reviewed for their project by SHPO. I have asked the State Archaeologist (Paul Picha) to inform me of any sites or issues within our ROW that arise, and Paul said that there were none. Therefore, I will not be reviewing the individual Dakota Access Pipeline temporary access requests. Please consider all of them approved for cultural resources.

-----Original Message-----

From: Urlacher, Belinda J.
Sent: Friday, March 18, 2016 9:48 AM
To: Christensen, Robert C. <rchrste@nd.gov>
Subject: New Approaches
Importance: High

Bob,

Attached are a couple sites that Dakota Access plan to use as temporary approaches. Both locations are in a cut area and also along the Knife River.

Also included is their description as to how much area they plan to cut.
And of course these guys are ready to start!

Belinda Ballweber-Urlacher
District Materials Coordinator
Dickinson District
1700 3rd Ave West, Ste 101
Dickinson, ND 58601-3009
Office: 701-227-6520
Fax: 701-227-6505
Cell: 701-290-8288

"You can complain because roses have thorns, or you can rejoice because thorns have roses!" Ziggy

-----Original Message-----



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

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	PHONE (A/C, No, Ext):	FAX (A/C, No):
E-MAIL ADDRESS:		
INSURER(S) AFFORDING COVERAGE		NAIC #
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INSURED 1389319 DAKOTA ACCESS, LLC 1300 MAIN STREET HOUSTON, TX 77002	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER: 13887652** **REVISION NUMBER: XXXXXXXX**

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GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER							
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	DED RETENTION \$						\$
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13887652

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
608 EAST BOULEVARD AVE.
BISMARCK ND 58505-0700

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The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09



All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

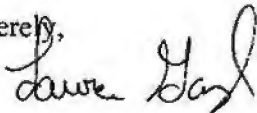
Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,



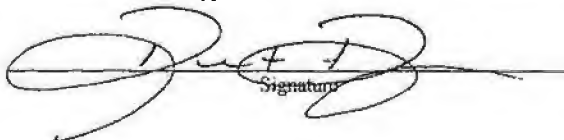
Joel M. Wilt LAWRENCE CANCL
Williston District Engineer
DICKINSON

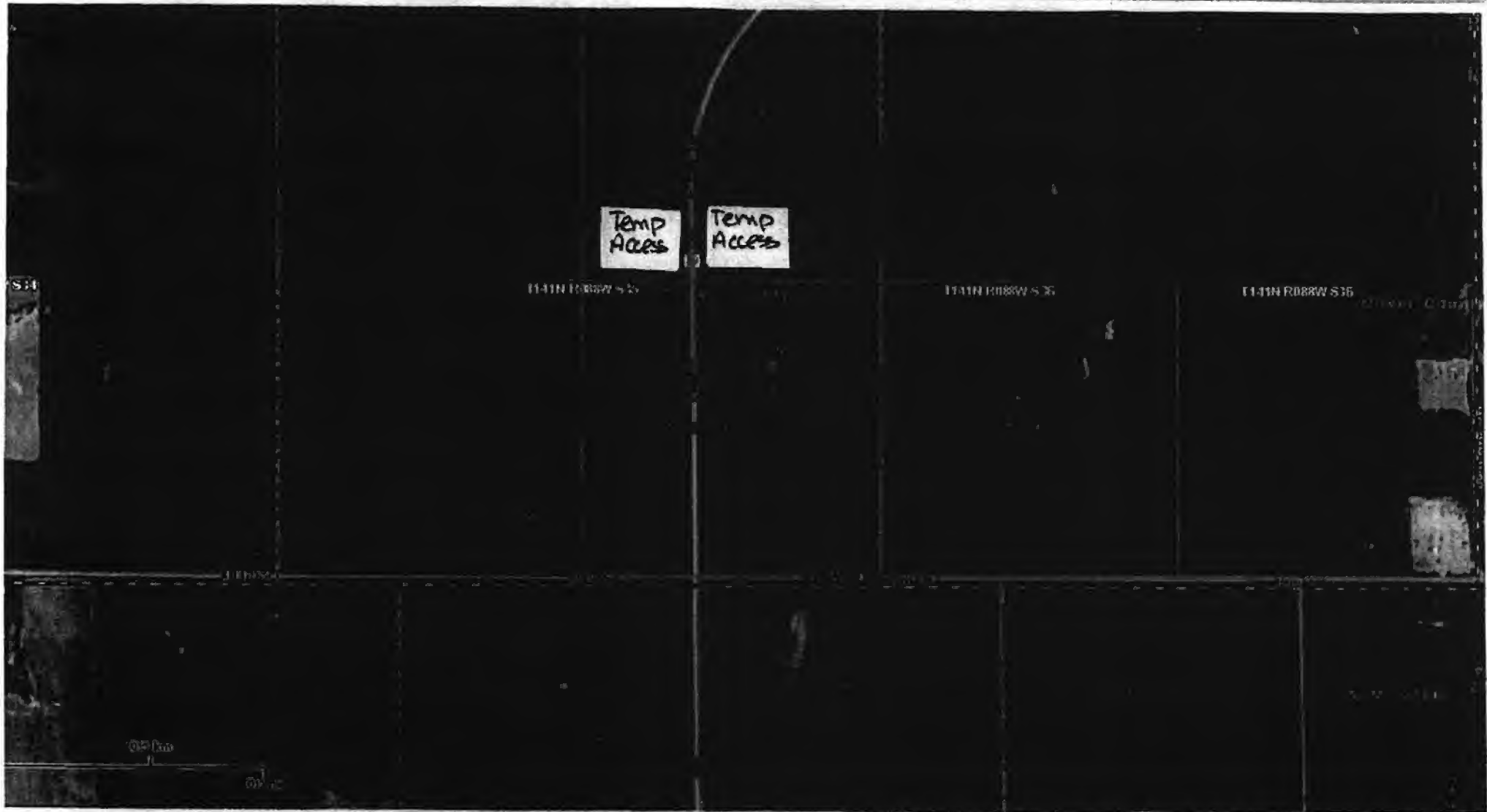
UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/10

Robert Rose Vice President, Land and Right of Way
Type or Print Name & Title


Signature



10-ME-055.900 TND 49

CLS LINK GIS Viewer

CLS Contract

Utility Occupancy Application and Permit

Permit # 1638 (16)

Applicant Information:

Owner of Facility: DAKOTA ACCESS LLC of Houston, TX 77002

Mailing Address: 1300 MAIN STREET Telephone Number:

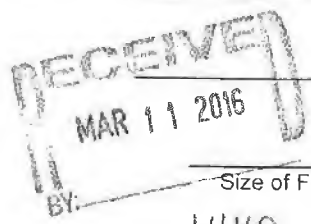
Applicant's Agent: Claire Cunningham Title: Sr. Permits Agent Telephone Number: 802-989-2489

Mercer County Road # 30 St SW Direction N S E W miles from city of or 1480' miles from Junction Mercer County Road # SH 49 Section(s) 35 & 4 Township 141/140 Range 88

Type of Facility:

30" CRUDE OIL PIPELINE Description of proposed facility (include drawings/sketches/staking sheet)

OPEN CUT Description of proposed method of installation



Size of Facility: 1440 PSIG Pipeline Pressure Number of Cables: N/A Size of Casing Length of Down Guys: N/A Length of Casing

Location of Pole(s) Location of Appurtenances (Vents, Manholes, Valves, etc.) Location-Others

Terms & Conditions: Installation and method of said facilities on highway right of way shall be subject to the following terms & conditions; and the installation & maintenance provisions, attached hereto and made a part hereof.

- A. Installation of said facility shall be done in a manner satisfactory to the Mercer County Road Superintendent.
B. Applicant shall notify the Mercer County Road Superintendent 48 hours prior to maintaining, relocating, or removal of said facilities.
C. Mercer County shall not be liable for damage to said facilities resulting from reconstruction or maintenance of the highway.
D. Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way; which may be damaged as a result of the installation & maintenance of said facilities on highway right of way.
E. Applicant shall remove said facilities from highway right of way or shall relocate or adjust said facilities at its sole cost & expense when they are requested to do so by Mercer County, which shall be completed as soon thereafter as is practicable.
F. Containment of Weeds until permanent grass has been established.
G. Additional installation & maintenance requirements are as follows (if applicable):
H. Installation shall be completed on or before

Date: 2/11/16

Vice President, Land and Right of Way Applicant Signature

Applicant is hereby granted permission to install & maintain the facilities applied for, as shown on the plans attached hereto & made a part hereof.

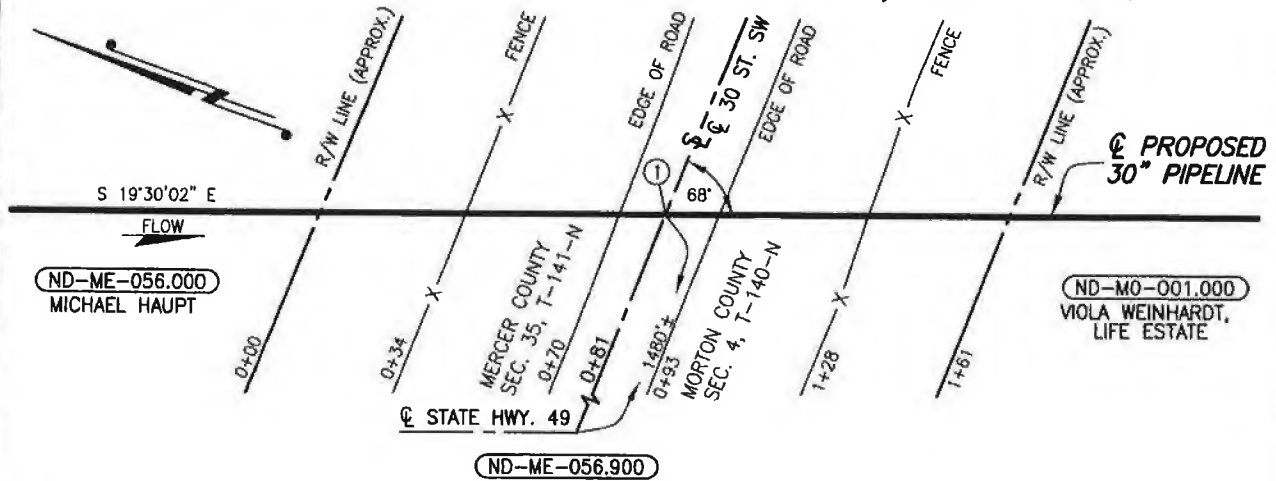
Approved by Mercer County Board of Commissioners/Road Superintendent this 06 day of April 2016

Road Superintendent: Ken Muth Chairman, Mercer County Commission

ND-ME-056.900 30ST.SW

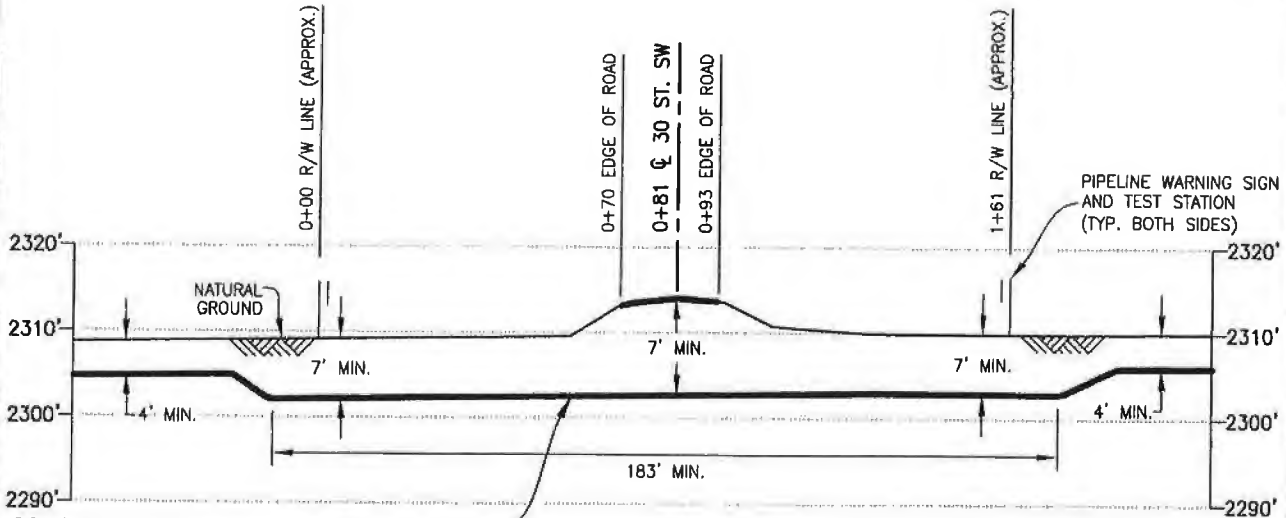
MERCER & MORTON COUNTIES, NORTH DAKOTA

SECTIONS 35 & 4, TOWNSHIPS 141 & 140 NORTH, RANGE 88 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

① X=945240.41
Y=17082829.22

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: 30 STREET SW AT STA. 0+81, ELEV. 2314.05'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MERCER COUNTY\103957-P8-ND-ME-056.900.dwg PLOT DATE: 3/4/2016 BY: MANSKE, MATTHEW

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/16	MSM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 30 STREET SW

MERCER AND MORTON COUNTIES

NORTH DAKOTA

DRAWN BY: MSM	DATE: 03/02/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/03/16	ND-ME-056.900	A
SCALE: AS SHOWN	APP.:		